

saint joseph's college / rensselaer, indiana

219-866-7111



nineteen sixty-nine / seventy catalogue and announcements

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SAINT JOSEPH'S COLLEGE CATALOGUE

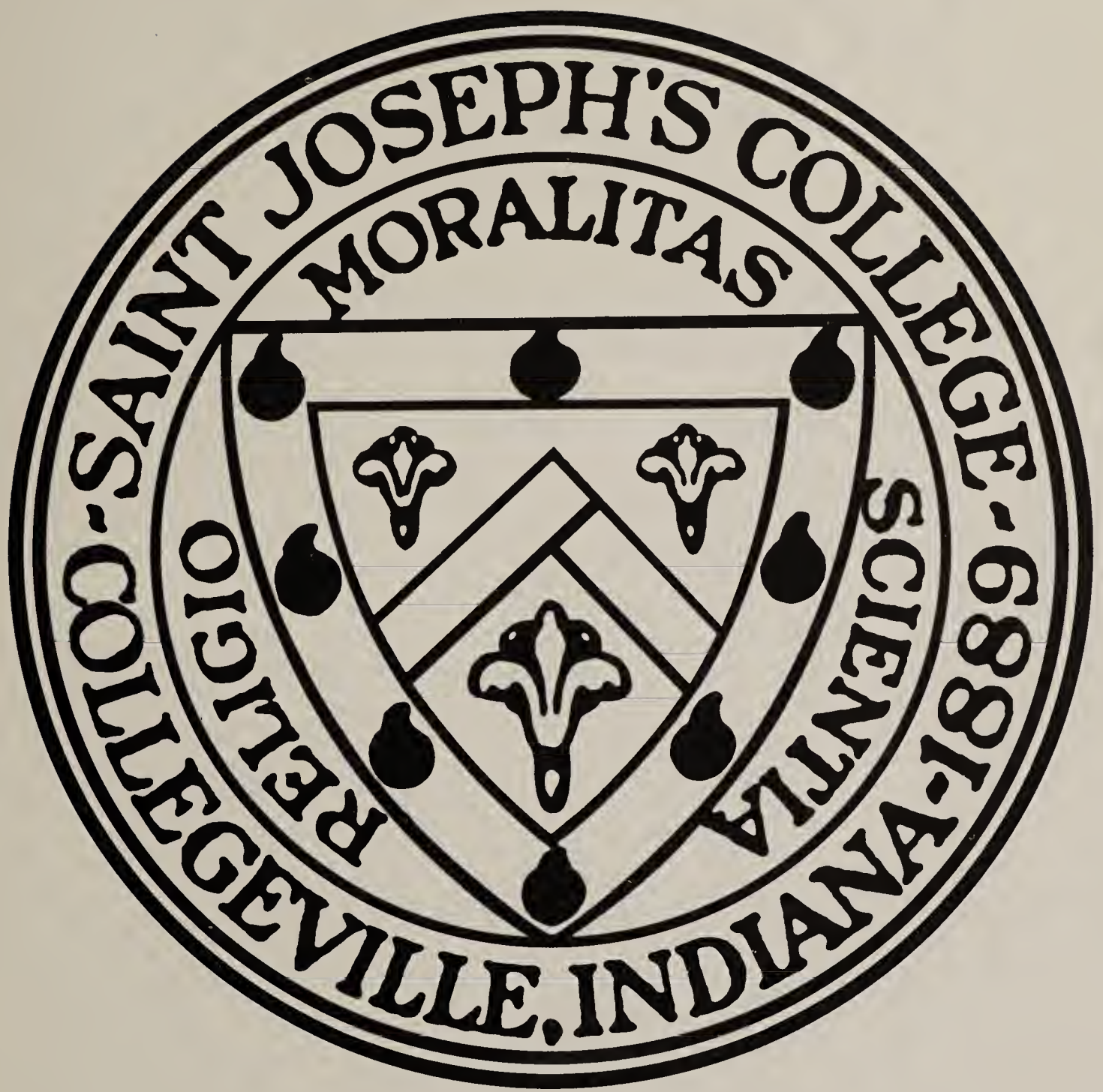
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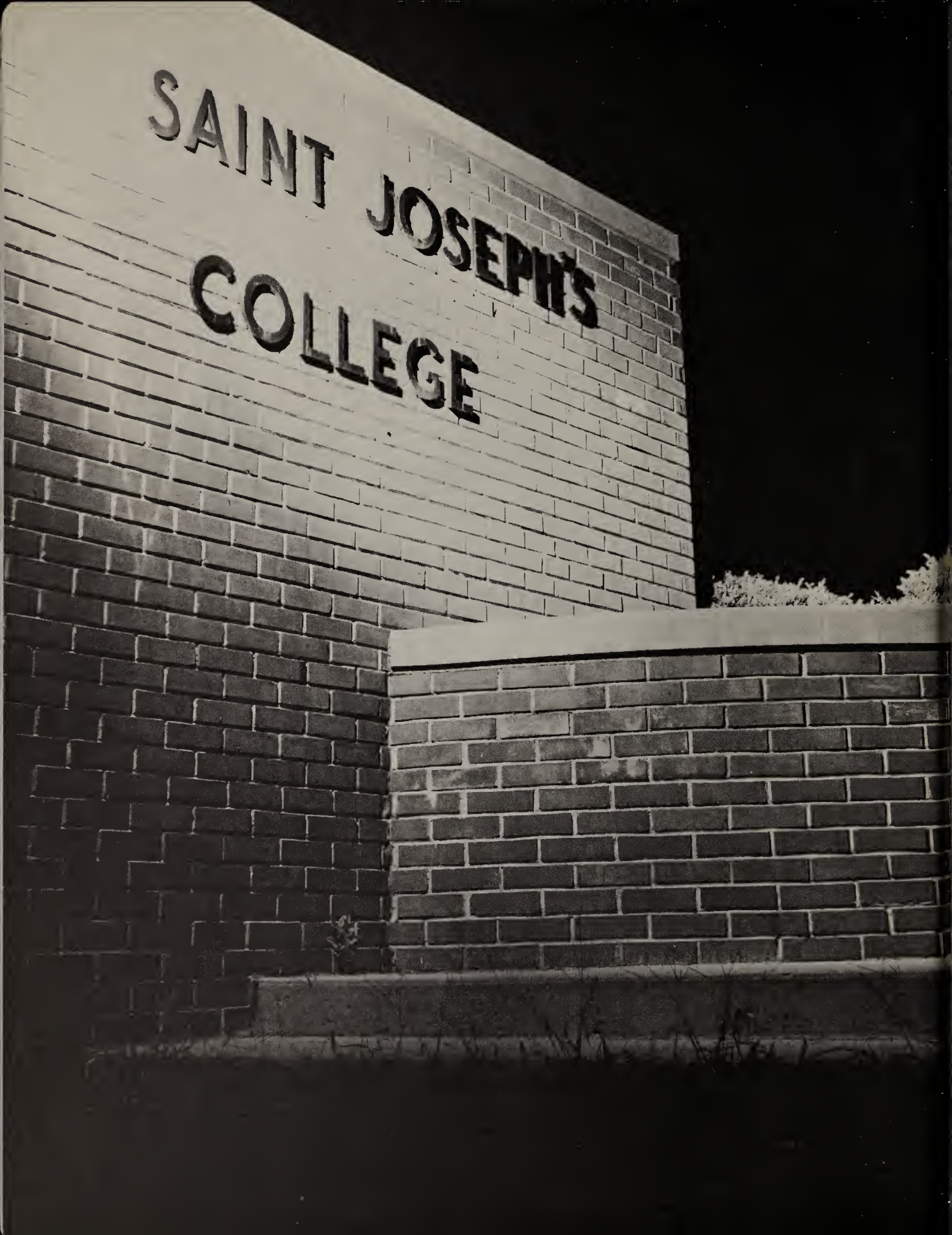


THE PROVISIONS OF THIS CATALOGUE REPRESENT ADOPTED POLICIES AND CURRENT PRACTICES, BUT ARE NOT TO BE REGARDED AS AN IRREVOCABLE CONTRACT BETWEEN THE COLLEGE AND THE STUDENT. THE COLLEGE RESERVES THE RIGHT TO CHANGE PROVISIONS OR REQUIREMENTS AND TO FIX THE TIME WHEN SUCH CHANGES SHALL BECOME EFFECTIVE.

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SAINT JOSEPH'S
COLLEGE



4	THE COLLEGE
12	ADMISSION AND FINANCES
24	ACADEMIC POLICIES
48	STUDENT LIFE
56	CURRICULUM
134	ADMINISTRATION AND FACULTY
148	APPENDIX



THE COLLEGE

Saint Joseph's College is an independent institution of higher learning dedicated to being a community of scholars—teachers and students—working in mutual association under the leadership and direction of its teachers, towards the spread, preservation, clarification, discovery and defense of truth. Whether the truths of the sciences, arts and skills be viewed as revealed or acquired, as speculative or practical, as moral or artistic, the dedication to these truths and the search for them is the primary purpose of Saint Joseph's. The academic and the general policies and procedures of the college as well as the relationship of Saint Joseph's to its public are conceived and carried out in terms of this basic purpose.

At the same time, Saint Joseph's College also recognizes that it exists in the larger context of society, and that its faculty and students have definite relations and obligations to the family, the state and the Catholic Church, as well as to various other societies representing industry, business, labor, health and recreation. For this reason, the College adopts as its own those aims toward which the family, state, Church and other societies are directed.

Foremost among the aims which the College actively provides for and promotes is that goodness of personal, family, social and religious life made possible by practice of the theological and moral virtues. In this respect, the College again maintains that both faculty and students can understand better what they must be and what they must do in the city of man so as to maintain their sublime end in the city of God, by means of fulfilling their calling in life as witnesses to truth.

The College adopts and proposes to its faculty and students other worthy aims which are required and helpful to them in seeking and in striving for goodness of life. Among these are the need for observing social justice as well as of pursuing individual rights, the importance of fulfilling one's vocation in life, and the need of discipline, of recreation and of mental and physical health. But it is the belief of Saint Joseph's College that no matter how worthwhile these aims are, they can be more surely achieved to the extent that teacher and student are dedicated to their proper purpose—truth.

Moreover, the College believes in truth for our age and times. It places its emphasis on the truths of the sciences, arts and skills with which it is concerned and chooses its curriculum in terms of the problems, questions and needs of the time in which it lives. Saint Joseph's College is convinced that any and all of the truths which it considers—whatever they may be—are to be sought for their own sake primarily; for it is only in this way that they can lead to goodness of life, further the good of family, state and Church, and be of value to industry, business and all human endeavors.

The primary consideration and concern of the College is for the academic community of teachers and students, to whom it offers a permanent vocation as witness to truth. The library, the counseling of students, the social, recreational and physical facilities, the classrooms and laboratories—all are viewed as means and as conditions contributing towards its main purpose—truth.

COLLEGE HISTORY

In 1868, a frame dwelling was erected a mile south of Rensselaer as a home for thirty-five orphans. The home was closed in 1887. Two year later, the Most Reverend Joseph Dwenger, bishop of Fort Wayne, offered the vacant orphan's home and land to Father Henry Drees, then Provincial of the Society of the Precious Blood, with the stipulation that a college be founded there. During the same year, 1889, Saint Joseph's College was incorporated under the laws of the state of Indiana with the right to grant scholastic degrees.

The educational program in the early years was on two distinct levels, the high school and the junior college. The aim was to prepare students for professional schools and seminaries, for teaching and for immediate entry into business. The new college passed its first major milestone June 16, 1896, when it presented diplomas to twelve students, its first class of graduates.

The original aims of Saint Joseph's changed little up to 1925. At that time the college was converted into a minor seminary and for a period of six years admitted only students preparing for the priesthood. The status of academy and junior college was re-established in 1931, and plans for the expansion of the school were formulated. Saint Joseph's began to operate as a senior college in 1936, and in June 1938, its first four-year class was graduated.

In the next three decades, Saint Joseph's grew from a school of few buildings to a contemporary college. The expansion was carefully designed to utilize the one hundred and thirty acre campus to serve the educational needs of Saint Joseph's student.

In 1951, in response to the need for a Catholic college in the Calumet Region of northwest Indiana, the College began an extension program in East Chicago. This program developed to the point that in 1963 it was granted the status of a campus, known as Saint Joseph's College Calumet Campus, offering a full four-year college program similar to that of the Rensselaer Campus.

With an ever-present desire to improve its educational opportunities, Saint Joseph's has introduced campus and curriculum innovations which evidence its contemporary philosophy of education.

In 1968, the College ended its 79-year policy of admitting men only. The change to a coeducational institution was prompted by the desire to create a total social and academic awareness on campus.

Beginning with the freshman class of 1969, Saint Joseph's will introduce a Core Curriculum. This problem-solving technique will end the traditional restrictions of the general education courses.



CAMPUS



ADMINISTRATION BUILDING

Centrally located near the main entrance to the campus, the three-storied structure houses the offices of administration, classrooms and faculty offices.

SAINT JOSEPH'S CHAPEL

Dedicated in May 1910, the attractive brick and stone structure serves the college not only as a chapel but its twin towers have become the College trademark.

SCIENCE-LIBRARY BUILDING

This building consists of a north-south wing, completed in 1915, and an east-west wing, added in 1936. The former houses the music department, the auditorium, and the library. The new wing is devoted to classroom space, physics, chemistry, biology, geology and special research laboratories.

PUBLICATIONS BUILDING

Originally serving as the editorial offices of the various campus publications, it now houses the post office and the offices of the Alumni Association, Institutional Research and the Computer Center.

HALLECK CENTER

The student center is named after Charles A. Halleck, Indiana representative in Congress and a member of the Board of Trustees. It contains a cafeteria, student recreation facilities, a multi-purpose room and offices for the faculty and Student Association. The cornerstone for the building was laid by General Dwight D. Eisenhower on September 13, 1962.

DWENGER HALL

Erected during the summer of 1907 and named for the second bishop of the Diocese of Fort Wayne, it serves as the College infirmary and dispensary.

ALUMNI MEMORIAL FIELDHOUSE

Completed in 1940, the fieldhouse provides seating for 2,000 spectators and locker rooms for some 500 participants in the sports program.

TEACHING FACILITIES

LIBRARY

The library comprises over twenty-three thousand square feet of floor space, sufficient to seat two hundred students and to accommodate more than one hundred thousand volumes.

The library has over 135,000 books and bound periodicals. It is also a depository library for Government documents. Over 1,400 periodicals are currently received. In vertical files, in the reference room, there is a selected group of pamphlets and a separate collection of vocational guidance material. A map collection of over 33,000 is separately housed in the Geology Department.





LABORATORIES

Science Hall houses the laboratory facilities for the Departments of Biology, Chemistry, Geology and Physics.

The biology laboratories, situated on the second floor of Science Hall, provide up-to-date equipment for courses in fundamental zoology and botany, microtechnique embryology, histology, comparative vertebrate anatomy, human anatomy and physiology.

On the third floor of Science Hall are the laboratories of general inorganic and organic chemistry, biochemistry, quantitative analysis, qualitative analysis and physical chemistry.

Geology Laboratories, serving the courses of physical geology, historical geology, mineralogy, petrology, paleontology, photogeology, subsurface geology, stratigraphy, and economic geology are found on the base-level in Science Hall.

The Physics laboratories, also situated on the basement level in Science Hall, are equipped for courses in general college physics, electricity and magnetism, physical optics, meteorology, physics of radiology, modern physics, heat, electronics and radio.

COMPUTER CENTER

Located in its own air-conditioned offices, the Saint Joseph's College computer facility affords students the opportunity to train in both scientific and commercial data processing fields. The College's IBM 1130 Model 2 computer with the allied unit record equipment of Purdue University's IBM 7094 and CDC 6500 comprises the largest computer facility in the state of Indiana.

TELEVISION STUDIO

Under the direction of the department of Communication and Theatre Arts, this facility offers students the opportunity to gain experience in television production and direction.

RESEARCH

In September of 1946, Father Urban J. Siegrist began special research work in connection with the Institutum Divi Thomae, which was founded in 1928 by the Most Reverend John T. McNicholas, O.P., S.T.M., Archbishop of Cincinnati. A laboratory for research in cellular physiology was built in 1955.

COLLEGE HOUSING

AQUINAS HALL

Open in the fall of 1959 and named for St. Thomas Aquinas, this hall serves as a residence for students studying for the brotherhood or priesthood.

BENNETT HALL

Named for the Most Reverend John G. Bennett, first Bishop of Lafayette, an alumnus and generous patron of the College, this hall houses 98 students and was dedicated in the spring of 1955.

DREXEL HALL

Once used as a school for Indians, the three-story structure accommodates one hundred and twenty students. It is named for Mother Catherine Drexel who provided the building funds.

GASPAR HALL

One of the oldest buildings on campus and formerly a faculty residence, it is named in honor of the founder of the Society of the Precious Blood, St. Gaspar del Bufalo.





GALLAGHER HALL

Named after Robert A. Gallagher, First Chairman of the Saint Joseph's College Board of Trustees and a generous patron of the College, this hall was dedicated in the fall of 1958.

HALAS HALL

Dedicated in the fall of 1958, the hall is named for George S. Halas, a member of the Board of Trustees and a generous patron of the College. It houses 120 students.

MERLINI HALL

This hall accommodates 90 students and was dedicated in the fall of 1940. It has been named after the Venerable John Merlini, the Third Moderator-General of the Society of the Precious Blood.

NOLL HALL

Dedicated in the spring of 1955, this building is named after the Most Reverend John F. Noll, Bishop of Fort Wayne, an alumnus and generous patron of the College.

JUSTIN H. OPPENHEIM HALL

Dedicated in the spring of 1969, this air-conditioned facility houses Saint Joseph's College's 252 coeds. This facility is named after Justin H. Oppenheim, member of the Board of Directors, an alumnus, and generous patron.

SCHWIETERMAN HALL

Dedicated in May 1963, this building serves as the residence for priest and brothers of the Society of the Precious Blood. The Y-shaped structure is adjacent to the community dining room and oratory.

SEIFERT HALL

Completed in 1939, this residence hall is named for Saint Joseph's first president, the Very Reverend Augustine Seifert, C.P.P.S.

XAVIER HALL

Dedicated to Saint Francis Xavier, patron of the Society of the Precious Blood, it is the residence of the students who are preparing for the priesthood in the Society. It was erected in the fall of 1940.



ADMISSION AND FINANCES

ADMISSION

All correspondence relating to admission should be addressed to the Director of Admissions, Saint Joseph's College, Rensselaer, Indiana 47978. Application for admission should be filed as early as possible and all credentials should be in the hands of the College at least three weeks before the opening of the school term. Application forms will be sent upon request. Unlike most colleges, Saint Joseph's has NO APPLICATION FEE. All credentials submitted as part of the admission procedure become the property of the College.

GENERAL REQUIREMENTS

Whether or not the student meets the entrance requirements will be determined on the basis of the information contained in his high school record. It is understood that these minimum requirements do not necessarily guarantee an applicant's admittance. From among the applicants who meet the entrance requirements, the College reserves the right to select those best qualified to succeed at Saint Joseph's. Therefore, the approval or rejection of an application may, in some cases, be deferred until later in the admissions period.

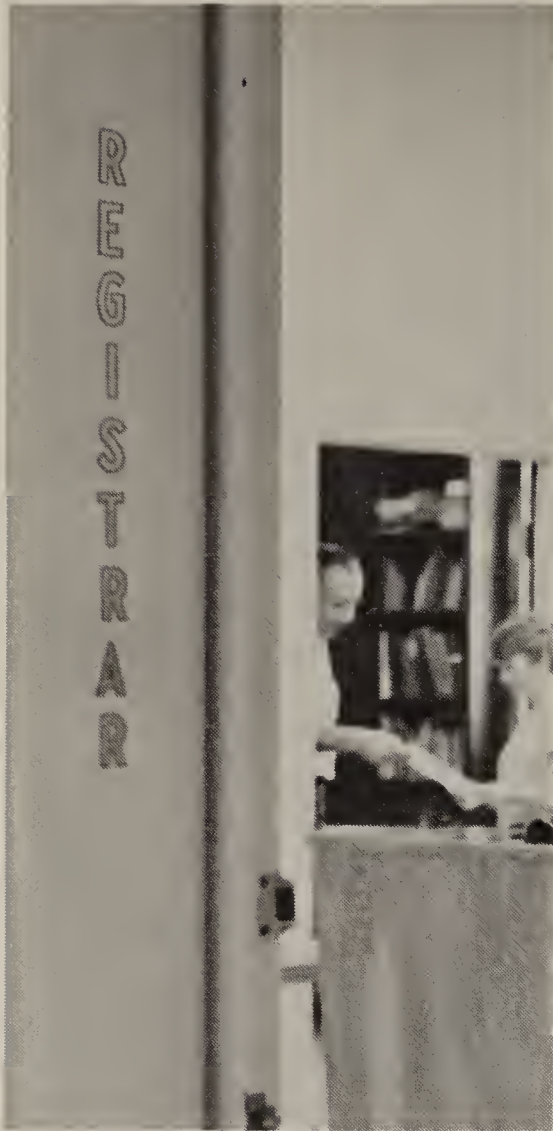
All applicants shall comply with the following requirements:

1. Application form filled out completely by applicant.
2. Official transcript of credits from all high schools and colleges previously attended, mailed directly from the schools to the Director of Admissions.
3. Evidence of good health and proper immunization provided on an official medical certificate form supplied by the College after an application has been approved.
4. Notification of acceptance from the Director of Admissions. Final action in each case is based upon satisfactory evidence of scholastic ability of the applicant.

Applicants who fail to meet the qualifications, and yet for other reasons give promise of success in college, may be permitted to take an entrance examination, or be admitted upon the recommendation of the high school principal or counselor.

Where in individual cases the applicant meets the regular requirements for admission and yet shows signs of inadequate preparation for college, the Committee on Admissions may require further evidence through an entrance examination or other means.





ADMISSION TO FRESHMAN STANDING

Candidates for freshman standing will be selected from applicants who present the following academic credentials:

1. Certificate of graduation from an approved high school. Graduates from other high schools may be accepted conditionally; full standing will be dependent upon subsequent work.
2. Minimum of fifteen units, ten of which must be from the following academic fields: English, foreign language, social studies, mathematics, and natural sciences. It is not necessary that all of these fields be represented in the ten units. The term **unit** expresses a measure of academic credit, representing a subject carried through not fewer than thirty-two weeks with five class meetings a week or the equivalent.
3. Every applicant is **required** to take the Scholastic Aptitude Test of the College Entrance Examination Board. The test is given in December, January, March, May, and August. It is recommended that the Scholastic Aptitude Test be taken early in the senior year. Students wishing to make application to take the test should procure application forms from their secondary schools, or write directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540 or P.O. Box 27896, Los Angeles, California.
4. A student must achieve a satisfactory composite predictive index. This index is based upon the applicant's class rank, and SAT verbal and math scores.

ADMISSION OF SPECIAL STUDENTS

Students who wish to pursue particular studies without being candidates for a degree may be admitted as special students if it seems that they profit from such work. In no case, however, will an applicant under twenty-one years of age be considered eligible to enter as a special student unless he has graduated from high school. Work done by special students will not be counted toward a degree until all entrance requirements have been fulfilled.

EARLY ADMISSION

Exceptionally well-qualified students who have not graduated from high school, but who have completed at least their junior year, may be admitted to freshman standing. Their eligibility for admission will be determined on the basis of high school courses and grades, objective tests and the recommendation of their high school principal or counselor.

ADMISSION OF TRANSFER STUDENTS

Students transferring from other institutions whose curricula are substantially the same as those of Saint Joseph's may be admitted with advanced standing. These students must:

1. Meet the general entrance requirements.
2. Be eligible to continue in the institution from which he wishes to transfer.
3. Be entitled to honorable separation from the institution last attended.
4. Present an index appropriate to his standing at Saint Joseph's. (i.e., a cumulative index of 1.60 for the first or first two semesters; of 1.80 for first three or first four semesters; of 1.90 for first five or first six semesters; 2.00 for all work after sixth semester).
5. No credit will be allowed for work which is not declared prior to admission.



EXPENSES AND FEES**TUITION**

Tuition for one semester \$725.00

This entitles the student to:

1. Academic instruction and advisory direction.
2. Ordinary medical care in the Health Service.
3. Subscription to campus publications.
4. Admission to all student activities.
5. Use of athletic facilities.

Members of the same family attending simultaneously are charged the following tuition rates:

Two members (12½ % reduction each) \$634.37
 Three members (16⅔ % reduction each) \$604.15
 Four members (25 % reduction each) \$543.75

BOARD

Board for one semester \$325.00

This entitles the student to three meals a day, seven days a week, except during scheduled vacation periods.

ROOM

Room for one semester \$125.00

Private home off campus Special Arrangement

SPECIAL FEES

Registration Fee (paid once at initial entrance) \$ 25.00
 Student Association Fee (paid each semester) \$ 15.00
 Student Center Fee (paid each semester) \$ 25.00
 Room and Damage Deposit (paid once and refunded when the student withdraws, is dismissed, or graduates if there are no room damage charges) \$ 50.00
 Graduation Fee (paid once—senior year) \$ 25.00

DAY STUDENT FEES

Tuition—\$50.00 per credit hour up to \$725.00
 Student Association Fee \$ 15.00
 Student Center Fee—\$2.50 base plus \$1.50 per credit hour up to \$25.00.

CONDITIONAL FEES

Late Registration \$ 5.00
 Tuition per credit hour above 17 \$ 20.00
 Laboratory Fee for science courses \$7.50 to \$15.00
 Music Lesson: Lesson per week per semester \$ 30.00
 Student Teaching (Advanced Education students) \$ 20.00
 Credit-by-Examination Fee each test \$ 10.00
 Infirmary, each day \$ 5.00
 Transcript of Credits Students \$.50 — Alumni \$1.00

FINANCIAL REGULATIONS

Upon acceptance by the admissions office, the student is to pay the registration fee of \$25.00 which is non-refundable.

The fee of \$1,215.00 for tuition, board, room, Student Association and Student Center is due two weeks before the beginning of each semester. In addition, new students pay \$75.00 for registration fee and the room and damage deposit.

Remittance should be made payable to Saint Joseph's College by bank draft, personal check, or postal money order through the Rensselaer Post Office, and mailed to: Office of the Vice-President for Business Affairs, Saint Joseph's College, Rensselaer, Indiana 47978.

Students whose accounts are not paid within the semester will not be admitted to the semester examinations.

Degrees, transcripts, and letters of honorable separation are withheld from those who have not settled their financial obligations to the College.

TUITION PLAN

Available to the parents of students is an optional method of payment. For those who prefer to pay their expenses on a monthly basis, the services of The Tuition Plan, Inc., may be utilized. This and the College Aid Plan, Inc., are comprehensive programs covering from one to four years of schooling. Information concerning this service may be obtained through the Business Office.

COLLEGE AID PLAN

A national organization in educational financing, College Aid Plan, Inc., 1008 Elm Street, Manchester, New Hampshire 03101, has available a low-cost plan which also includes insurance protection at no additional cost. A parent may select a plan to cover 1-2-3 or 4 consecutive years' expenses. These plans are flexible and can be modified to cover yearly changes in educational expenses. Detailed information can be obtained by writing to the main office address above.

REFUND POLICY

Students who withdraw before the end of the semester will be charged for room and board at the rate of \$4.00 for each day, no refund allowance being made for incidental absences. Student Association fee is non-refundable. The Student Center fee is refunded on the same basis as tuition. Tuition charges will be assessed on the following percentage basis: One week or less, 20%; between one and two weeks, 20%; between two and three weeks, 40%; between three and four weeks, 60%; between four and five weeks, 80%; over five weeks, 100%.

FINANCIAL AIDS

The College adopts as its own the philosophy that the primary responsibility for financing a college education rests upon the student's family. Financial aid from college and other sources is viewed only as supplementary to the effort of the family. The student requesting financial aid is also expected to contribute toward his own educational expenses, through summer or school term earnings or loans in any reasonable combination. The College is prepared to assist the student through academic scholarships, grants, loans and employment.

APPLICATION FOR ADMISSION

The application for admission *must precede* the application for financial aid. The applicant must be approved for admission before the application for financial assistance will be reviewed.

HIGH SCHOOL TRANSCRIPT

This form and all standardized test scores, such as SAT, IQ, should be included for review.

COLLEGE TRANSCRIPT

Transfer applicants seeking financial aid must submit an official copy of all college work from the Registrar of the college last attended.

SCHOLASTIC APTITUDE TEST

All candidates for financial aid must take the Scholastic Aptitude Test (morning test of the College Entrance Examination Board). Complete information can be obtained from high school counselors, or from either of the two CEEB service centers, namely: P.O. Box 592, Princeton, New Jersey 08540 or P.O. Box 27896, Los Angeles, California. The November or December test is preferred, although other earlier test scores are acceptable. The verbal and mathematical scores of the SAT must be submitted to the College before February 1. Saint Joseph's College code number is 1697.

PARENTS' CONFIDENTIAL STATEMENT

(PCS) Parents of high school students seeking financial aid are required to submit the PCS for the College Scholarship Service where it is processed and evaluated. The Director of Student Financial Aids, Saint Joseph's College, should be designated as one of the recipients of the Financial Need Analysis Report. The CSS will, at the parents' request, send the financial analysis and recommendations to Saint Joseph's. The Financial Need Analysis Report must be in the Office of the Director of Student Financial Aids by April 1. The PCS form can be obtained from the high school counselor, or from the College Scholarship Service, P.O. Box 176, Princeton, New Jersey 08540, or P.O. Box 1025, Berkeley, California 94701, or P.O. Box 881, Evanston, Illinois 60204. The ACT financial aid analysis program is acceptable.

COLLEGE SCHOLARSHIP SERVICE

Saint Joseph's College participates in the College Scholarship Service. Participants in CSS subscribe to the principle that the amount of financial aid granted a student should be based upon financial need. The CSS assists Saint Joseph's College in determining the student's need for financial assistance but does not itself give financial aid. Recommendations from CSS help the College to allocate its resources fairly.

FINANCIAL AIDS COMMITTEE

The awarding of and final judgment on all financial aid rests with the Committee on Student Financial Aids, which meets between February 1 and April 30. Between these dates recipients will be notified. The chairman of the committee is the Director of Student Financial Aids, to whom all communications should be directed.

LIMIT FOR FILING APPLICATION

All necessary material must be on file at Saint Joseph's College not later than April 1.

ACADEMIC SCHOLARSHIPS

Saint Joseph's College annually offers scholarships to worthy and needy students. The scholarships are awarded on the basis of academic achievement and promise, as determined by the student's high school record, in conjunction with SAT scores. For this reason, the scores of the Scholastic Aptitude Test are an absolute requirement. Normally those students seeking academic scholarships range in the upper quarter of their class in rank and have SAT scores of 1200 or higher.

The amount of the scholarship award is based on the student's financial need determined by the Financial Aids Committee in cooperation with the College Scholarship Service. For this aid the Parent's Confidential Statement is required.

Recommendations from the CSS are made to the College about two or three weeks after the parents have forwarded their statement to the CSS. Students who seek this award should bear in mind that the awards are made between February 1 and April 30. All items required by the Scholarship Committee should be forwarded to the Office of Admissions by April 1.

RENEWAL OF SCHOLARSHIPS

The first scholarship is granted for the freshman year. It is thereafter renewable every semester which the student spends at Saint Joseph's College until he graduates, provided that in the previous semester he has maintained at least a B average and his need continues. If a student loses his scholarship he can have it reinstated only by special action of the Committee on Student Financial Aids, which will normally expect him to have at least a cumulative average of B.

UPPERCLASS SCHOLARSHIPS

There are a limited number of scholarships available to sophomores, juniors and seniors who give evidence of superior scholarship and have financial need. They will ordinarily be expected to have at least a cumulative B average in addition to a B average in the previous semester. Such scholarships can be renewed as long as the student continues his B average work, continues to have financial needs, and remains in good social standing.

ENDOWED SCHOLARSHIPS

The Saint Elizabeth Foundation. A fund established by Mrs. Elizabeth Mullen. The interest on \$5,000 is available for a pre-theology student, preferably from St. Patrick's Parish, Kokomo, Indiana.

The Monsignor O'Keefe Scholarship. The sum of \$300 is available each year for a student or students designated by the pastor of St. Mary's Church, Akron, Ohio.

The Monsignor Moore Scholarship. A fund providing for tuition, board, and lodging for a pre-theology student from the Peoria (Ill.) Diocese.

The Michael and Mary Brisch Scholarship. The interest on \$5,000 is available to assist in the education of a pre-theology student.

The Father Seifert Scholarship. The income from the Collegeville gravel deposits is available for a student or students selected by the Scholarship Committee.

The Schumacher Family Scholarship. The income from \$12,000 is available for a student or students selected by the Scholarship Committee.

The Bishop Leo A. Pursley Scholarship. The sum of \$500 is available each year for a student from the Diocese of Fort Wayne-South Bend.

The Christopher Jones Memorial Scholarship. Established by his grandparents, Irene and Arthur L. Hellyer. Income from a fund is available for a needy student for the priesthood.

The Frank M. McHale Scholarship. The income of funds provided by the friends of Mr. McHale on the occasion of his 70th birthday is available for scholarship.



STATE SCHOLARSHIP PROGRAMS

State scholarship programs are second only to federal programs in the impact they have had on the student financial-aid world. These programs vary from state to state in purpose and structure. Presently only 17 of the 50 states have such programs. They are: California, Connecticut, Illinois, Indiana, Iowa, Kansas, Maine, Maryland, Massachusetts, Michigan, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Wisconsin. It is interesting to note that while none of the midwestern states permit their scholars to leave the state for study, seven of the northeastern states do permit this. Since laws do change, applicants seeking aid from these programs must review the matter with their high school principal or counselor for precise and pertinent details.

NATIONAL DEFENSE STUDENT LOANS

Saint Joseph's College participates in the National Defense Student Loan Program. High school graduates who have been accepted for enrollment in full-time courses and who need financial help for educational expenses are eligible for student loans.

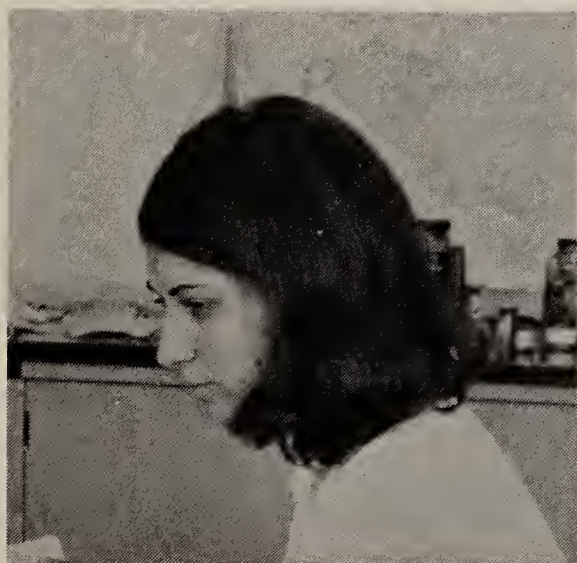
A student may borrow up to \$1,000 each academic year not exceeding a \$10,000 total. The repayment period and the interest do not begin until nine months after the student ends his studies. The loans bear interest at the rate of 3 percent per year and repayment of principal may be extended over a 10-year period.

If a borrower becomes a full-time teacher in an elementary or high school or in an institution of higher education, as much as one half of the loan may be forgiven at the rate of 10 percent for each year of teaching service.

Borrowers who elect to teach in certain eligible schools located in areas of primarily low-income families or in schools of handicapped children may qualify for cancellation of their entire obligation at the rate of 15 percent per year.

The College approves the loan and is responsible for its collection. Repayment may be deferred for a three-year period while a borrower is serving in the Armed Forces, with the Peace Corps, or as a Volunteer in Service to America (VISTA). Repayment is deferred, too, for as long as a borrower is enrolled at an institution of higher education and is carrying at least a half-time academic load.

NOTE: In addition to government loans there are other educational loans available at most banks (cf. Guaranteed Loans, described in this section). Students should inquire at their hometown banks or at the Office of the Director of Student Financial Aids, Saint Joseph's College. Some states have a state loan program which should be investigated.



GUARANTEED LOANS

The education of students from middle or lower-income families frequently places a financial burden on their families, particularly if there are a number of children who wish to attend college. In many cases, the student cannot qualify for a National Defense Student Loan. Even when commercial credit sources are available, repayment generally runs concurrently with the college years.

Under this program a student may borrow from a bank or other financial institutions. A student from a family with an adjusted income of less than \$15,000 a year pays no interest while he is attending Saint Joseph's.

Repayment of principal and interest begins nine months after the student has ceased a course of study. A student from a family with an adjusted income higher than \$15,000 a year pays the entire interest on the loan.

The major objective of this program is to make loans available to any college student who wants to borrow.

EDUCATIONAL OPPORTUNITY GRANTS

Educational Opportunity Grants are available, through the College, to a limited number of students with exceptional financial need who require these grants to attend college. To be eligible, the student must show academic or creative promise. The student's parents must be able to furnish less than \$626.00 annually towards education, and have an annual income of less than \$6,000.

Eligible students who are accepted for enrollment on a full-time basis, or who are currently enrolled in good standing, may receive Educational Opportunity Grants for each year of their higher education, although the maximum duration of a grant is 4 years. Grants range from \$200 to \$1000 a year and can be no more than one-half of the total assistance given the student. The amount of financial assistance a student may receive depends upon his need—taking into account the student's financial resources, those of the parents and the budget cost of Saint Joseph's College. Students seeking the grant should complete the Application for Financial Aids. These applicants should follow the same procedure required for academic scholarships.

MUSIC GRANTS

The College annually awards music grants to musically-talented students who are in need of financial aid. The grants are limited to \$200.00 per year and normally go to those who will play in the band. Applicants for these grants must submit the Music Form.

ATHLETIC GRANTS

Athletic Grants are awarded to qualified athletes. Presently, the College awards grants in football and basketball.

COLLEGE WORK-STUDY PROGRAM

Students, particularly those from low-income families who need a job to help pay for college expenses, are potentially eligible for employment by the College under federally-supported Work-Study programs. Eighty percent of the money is furnished by the federal government and twenty percent by the College. Students may work up to 15 hours weekly while attending classes full-time. During the summer or other vacation periods, they may work 40 hours per week under this program. In three months of summer employment under this program, an eligible student could earn about \$700. Students who work 15 hours a week during the school year could also earn a similar amount.

Work may be for the College, or for approved off-campus agencies. This area of the program is under the direct supervision of the College. To work under this program, a student must be enrolled and be in good standing, or be accepted for enrollment as a full-time student. The student's eligibility depends upon his need for employment to defray college expenses. To establish need, the student must submit the Parents Confidential Statement through the College Scholarship Service.

STUDENT EMPLOYMENT

In addition to the College Work-Study program, there are a limited number of other jobs. Some students find it necessary to contribute to their own support through job employment. The student should bear in mind that employment should not detract from academic needs. Often it is difficult for freshmen to work long hours and carry a normal class load at the same time. The usual policy regarding work is to limit it to 15 hours a week.

On campus there are calls for clerical and laboratory assistants, but most openings for employment are for maintenance and dining hall positions.

Application for campus employment should be filed in the Office of Director of Student Financial Aids after one is on campus and enrolled. Resident students may not accept employment off campus or engage in any business enterprises during the school year without permission of the Dean of Students.

VETERANS' ASSISTANCE

Saint Joseph's College is officially approved as a school for veterans of military service and for war orphans under Public Law 634. Financial assistance from these sources is granted from public funds.

VOCATIONAL REHABILITATION

Under the provision of Public Law 565, the federal government and the state jointly provide funds for grants to students who have a physical or mental impairment which constitutes a vocational handicap. The State Vocational Rehabilitation Division is responsible for the determination of these grants. These grants pay tuition and some fee expenses.

ACADEMIC
DEAN



ACADEMIC POLICIES

ENROLLMENT

All students are expected to report to the campus on the date officially designated in the College calendar. No new student will be admitted unless he has received official notice of acceptance from the Director of Admissions.

Students are enrolled as regular when they meet all entrance requirements and have been approved for a course of studies leading to the bachelor's degree; as special if the course work is not counted toward the fulfillment of degree requirements. Students may be registered as either full-time or part-time students. A full-time student is one who is carrying a minimum of twelve semester hours of college credit, or who is registered for class work totaling at least fifteen periods per week.

LATE ENROLLMENT

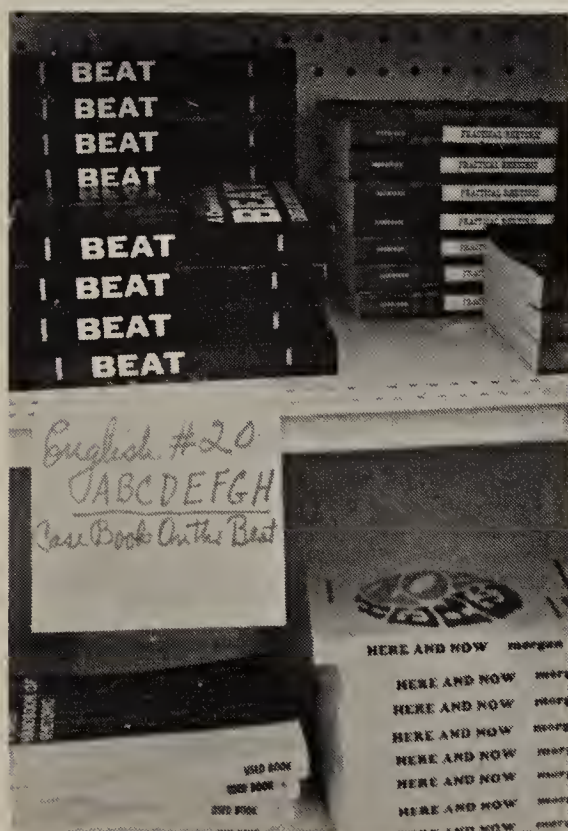
Students failing to enroll or to pay fees and tuition on enrollment day as designated in the catalog must pay a late enrollment fee.

REGISTRATION

No student will receive credit for any subject taken in a class for which he has not been duly registered. After a student's class schedule has been approved, changes in courses or class sections must, in each instance, be approved and properly recorded with the Registrar.

CREDITS

The unit of academic credit is the semester hour. It represents the work of a semester course which meets once weekly for a fifty-minute period requiring approximately two periods of preparation. A class which meets twice weekly carries two hours of credit; three times weekly, three credits. One laboratory period (two to four hours) is the equivalent of one class meeting. The passing grade required before a student can receive credit is D.





CREDIT BY EXAMINATION

Any regularly-enrolled student of Saint Joseph's College, in good academic standing, may receive credit for any course in which he gives evidence of normal achievement by passing an examination in the subject matter of the course. All grades will be recorded and credit will be granted for any passing grade. All Core courses are excluded from credit by examination.

Courses (with grade and credit) earned through credit by examination are not computed in the semester index but only in the cumulative index.

1. Schedule of Tests: (a) at the beginning of the first semester; (b) the first semester final week; application must be made before October 6, (c) the second semester final week; application must be made before March 4.

2. Application to take credit examination is made at the Office of the Academic Dean. Fee for each test is \$10.00.

3. Eligibility. No student may receive credit by examination (a) in a course for which he is currently enrolled for credit, or has, at some time, enrolled for credit or audit; (b) in courses involving laboratory experience or practice; (c) in introductory foreign language courses for which a student shows high school credit. (In programs requiring two years of foreign language, the requirement is fulfilled by advanced placement plus the completion of the sophomore year of the language course.)

4. Recording of tests. A record shall be kept in the student's folder of all tests taken with the intention of receiving credit by examination. Every grade, both passing and failing, will be entered in his permanent scholastic record, and designated as Credit by Examination.

5. The tests shall be tests of the type given in the course for which the student is seeking credit. Such tests shall be made out, scored, graded and administered by an instructor appointed by the Vice-President for Academic Affairs.

TELEVISION CREDIT

Students enrolled at Saint Joseph's College may receive credit for television courses: (a) on a transfer basis from any recognized college granting such credit; (b) from television courses conducted under campus supervision.

AUDITING COURSES

Auditing a course means attending class without obligation with respect to regularity of attendance, outside class work, or examinations. Students register for audit courses in the same manner as for credit courses. The total number of credit and audit hours combined for which a student registers may never exceed twenty-one a semester. Audited courses are recorded in the Registrar's Office but do not form a part of the student's permanent scholastic record. For full-time students the fee for auditing a course is \$5.00 for each semester hour in excess of seventeen hours of credit and audit work combined. For part-time students the fee is \$15.00 a semester hour.

CLASS SCHEDULE

A "Schedule of Classes" is published at the beginning of each semester, showing the courses that are offered, the time of meetings, the room numbers, and the instructors. The College reserves the right to withdraw an announced course for which fewer than five students register. It also reserves the right to assign students to class sections and to limit the number of students who may elect a course in case the class becomes overcrowded or is of such a nature that limited enrollment is required.

Faculty counselors assist students in planning their programs of study. In all cases it is advisable that the student select his major by the end of his sophomore year and consult his faculty counselor regarding the pattern of courses for the major and minor sequences and the appropriate electives. A student's semester schedule of classes will not be considered final until it has been approved and filed in the Office of the Registrar.

CHANGE OF SCHEDULE AND CANCELLATION OF COURSES

During the first week of classes in each semester a student may, with consent of the Registrar, change his schedule by adding or cancelling courses. Courses cancelled during this period do not appear on his permanent record.

CLASS LOAD

The normal amount of work for which a student registers in one semester is sixteen or seventeen hours. To be classified as a full-time student he must register for a minimum of twelve semester hours, or for class work totaling at least fifteen periods per week. Permission to register for a course in excess of eighteen hours must be obtained from the Dean of the College; the basis for such permission shall be the student's ability as evidenced by previous college work. An extra tuition charge of \$20.00 for each credit hour in excess of seventeen will be applied to the student's account, except that students maintaining a cumulative index of 3.00 or better may carry twenty hours before an extra charge is made.



CLASS ATTENDANCE

All students are expected to attend all lectures, laboratory exercises, and scheduled examinations.

In sophomore and upper-level courses (#20 and above), class attendance is the student's responsibility. However, students enrolled in freshman courses (#19 and below) are required to attend all class meetings.

The total number of absences tolerated in a freshman course is not to exceed the number of times that course meets each week. If the absences exceed the number tolerated in a course, the reason for the additional absence must be approved by the Academic Dean; verification of this acceptance will be forwarded to the instructor within seven days after the student's return to class.

The following are the reasons for which official excuses are given:

- a) Such sickness of the student as incapacitates him for class attendance (so attested by the infirmarian or a physician).
- b) Death or serious illness in the student's immediate family.
- c) Attendance at the wedding of a brother or sister.
- d) Properly authorized engagement in the interests of the College.
- e) Properly authorized participation as a team member in intercollegiate competition.
- f) Official government summons beyond the control of the student.

Instructors, in individual instances, may exempt sophomores and upperclassmen from the attendance regulation in freshman-level courses. Furthermore, it is within their jurisdiction to handle the matter of excessive class absence at any level.

WITHDRAWALS FROM COURSES

After the limit for changes in class schedules, *Seniors, Juniors, and Sophomores* may not withdraw from a course for which they are registered except with permission of the Academic Dean, after presenting written evidence of consultation with their professor and faculty advisor. Forms for this purpose can be obtained at the Office of the Academic Dean. Such withdrawals will be indicated on the student's record with letter "W." By discontinuing a course without an official withdrawal, he automatically incurs an "F." *No official withdrawals will be given later than one month after the opening of classes in each semester.*

In his first semester at college a *Freshman* may withdraw without penalty of failure until one week after the mid-semester grading period. (See College Calendar.) He likewise must secure permission of the Vice-President for Academic Affairs after presenting written evidence of consultation with his professor and faculty advisor. Forms for this purpose can be obtained at the Office of the Vice-President for Academic Affairs.

ACADEMIC CLASSIFICATION

A student is classified as a freshman if he meets the entrance requirements; as a second semester freshman when twelve semester hours have been completed; as a sophomore when 28 hours have been completed; as a junior when 58 semester hours have been earned; and as a senior when 92 semester hours have been completed. In addition, for purposes of probation and dismissal, a student is considered a second semester freshman after he has been a full-time student for one semester and a sophomore after completing two semesters as a full-time student and a junior after the completion of four semesters.

GRADING SYSTEM AND QUALITY POINTS

Grades are given in letter symbols.

Grades	Meanings	Quality Points
A	Excellent	4
B	Above Average	3
C	Average	2
D	Acceptable but Poor	1
F	Failing	0
W	Withdrawal	—
I	Incomplete	—

A grade of A represents greater accomplishment in a four-credit course than does the same grade in a two or three-credit course. In order that a student's degree of success on the basis of both factors (amount of work represented by his courses, and the grades received) may be judged, use is made of the quality point. Quality points assigned to a grade multiplied by the credits allowed in a subject will give the total points accruing to the student for his achievement in that subject.

SCHOLASTIC INDEX

The index expresses the ratio of a student's total quality points to his total hours attempted. This ratio is found by dividing the sum of the student's quality points by the sum of hours attempted. Thus, if his points equal his hours attempted, his index will be 1.00, indicating that he is maintaining himself at the general level of D.

INCOMPLETE GRADE

A course in which the grade of I is received will not be considered in computing the index until the incomplete grade is removed. If the I is not removed within five weeks after the semester (except in Honors Courses), a grade of F will be assigned.

REPETITION OF COURSES

If a student repeats a course which he has passed, only the higher of the two grades which he received for the course is counted in computing his cumulative index. If he repeats a course in which he has failed, both grades are counted in computing his cumulative index.

PASS/NOT PASS OPTION

A student is permitted to take a maximum of 24 hours' credit under the pass/not pass option in courses other than those required in his major field or those required of all students by the College. To receive a **pass** a student must achieve a **C** or better; below a **C**, the student will receive a **not pass**, which will be recorded on his record as no credit. The student must decide within the normal time limits for dropping a course whether he will take a course for a grade or take it under the pass/not pass option. Also, no student will be allowed to receive credit by examination in a course under the pass/not pass option.

GRADE REPORTS

Grade reports for all students are made to the Registrar twice each semester. The mid-semester reports are tentative indications of the student's progress; those following the semester examinations form his permanent record. Reports are issued to parents and students after each grading period.

DEAN'S LIST

Students with a semester index of 3.50 or higher are placed on the Dean's List.

INTERTERM

Every student is required to participate in one Interterm Colloquium in his major before graduation. This colloquium should be taken preferably during the junior or senior year. This requirement becomes effective with the 1969 freshman class.



HONORS SEMINAR

To promote scholarship and initiative on the part of academically-superior students, those departments which offer a major also conduct an honors seminar. This is a course in independent study, directed reading and research in a student's field of concentration, the results of which are to be formulated in a research paper. To be admitted the student must have maintained a 3.00 cumulative index in his major field. Topics for research must be approved by the student's major professor.

HONORS STUDENTS

Students with a cumulative index of 3.00 or higher are classified as Honors Students. These students are eligible to complete residence requirements in seven semesters or the equivalent and are eligible to graduate with honors by taking Honors Course 51 in their major field. Application for the honors course is made with the Vice-President for Academic Affairs in the student's second-last semester; the student registers for the course in his last semester. Honors 51 may also be taken by students who have a 3.00 cumulative index in their major field even though they may not be otherwise classified as honors students.

INDEPENDENT STUDY

This program provides the opportunity for a student to pursue special topics, reading programs or projects within existing departments apart from courses listed in the catalog. The credit and grade thus earned will be entered on the student's academic record and count toward graduation. The number of independent studies a student may enroll in is limited to four. The student registers for the independent study at the beginning of each semester after making application in the Office of the Vice-President for Academic Affairs and securing the sponsorship of a faculty member.

TRANSFER POLICY

A student is granted honorable separation provided he is in good standing. This signifies that the student is eligible to continue, to return, or to transfer elsewhere. It implies good academic standing as well as good citizenship.

WITHDRAWAL FROM THE COLLEGE

Any student (except a graduating senior) who is aware that he will not register for the following semester is required to inform the Registrar and the Dean of Students. A withdrawal from the College during a semester, must be reported to the Dean of Students and the Registrar; failing to do so, he will forfeit honorable separation. Students who discontinue either during or at the end of a semester without having settled their financial obligations to the College will be refused honorable separation and official transcript of credit until all accounts are paid.

PROBATION AND DISMISSAL

The mid-semester grades serve as an indication of the student's adaptability to his chosen program of studies. Both the parents and the student are informed when his work is below the required level at the mid-semester grading period.

In order to graduate a student must have a cumulative index of 2.00. While this index is not required at any point in the student's career prior to graduation, he must nevertheless show a steady progress towards this goal. Thus it is required that the student must maintain a cumulative index of 1.60 during his Freshman year, a cumulative index of 1.80 during his Sophomore year, a cumulative index of 1.90 during his Junior year. In any semester in which he fails to achieve the required cumulative index he is placed on probation. If he fails to achieve the required cumulative index at the end of the next semester, he is dropped for poor scholarship. In individual cases, and only where special circumstances are involved, the student may appeal to the Academic Senate for continuation in the College. This appeal must be made in writing to the Academic Dean within two days after he receives notification of his status. For purposes of computing the cumulative index, a summer session is considered as a part of the student's previous year.

JUNIOR YEAR ABROAD

Students who plan to spend their junior year abroad are to apply to the Academic Dean's Office at the beginning of their fourth semester. There are two types of programs available:

- a) programs involving instruction in a foreign language at a foreign university;
- b) programs involving instruction in English at a foreign university either by participating in the Institute of European Studies programs at the University of Vienna or at the Institute for American Universities affiliated with the University of Aix-Marseilles in Southern France.

Students on Junior Year programs are required to complete all graduation requirements.

SUMMER SESSIONS

Saint Joseph's College offers an extensive, fully-accredited summer program. In addition to departmental course offerings, the College's summer program includes Bible and Religious Workshops, Liturgical Music Programs for both graduate and undergraduate credit, the Prospective College Freshman Program and the Summer Scholarship Program.

ATHLETIC ELIGIBILITY

A student is eligible to participate in intercollegiate athletic contests under the following conditions:

1. Be of approved physical condition as certified by the College physician.
2. Meet the requirements for classification as a regular full-time student at Saint Joseph's College.
3. Be enrolled as a full-time student both in his previous semester and in the present semester, unless he is a beginning Freshman.
4. Be in good academic standing as determined by the scholastic index requirement according to his classification.
5. Be eligible to play in a designated game according to the rules, policies, and approved practices of the *Indiana Collegiate Conference* and *National Collegiate Athletic Association* with respect to amateur standing, length of previous participation, institutional transfer and similar matters.

It is the responsibility of the players as well as the coaching staff to know and comply with the letter and the spirit of the athletic policies adopted and approved by the faculty.



AWARDS AND PRIZES

The recognition of merit in the individual is natural and proper as an incentive to personal and social progress. The awards and prizes listed below represent the College's attestation of the recipients' excellence in written and oral expression as demonstrated in the annual competitive exercises in a variety of fields. In all cases the College reserves the right to withhold an award if, in the opinion of the judges, none of the entries in a contest attains a standard of excellence sufficient to merit the distinction implied by the conferring of the award.

THE ALUMNI ESSAY AWARD

The sum of twenty-five dollars is awarded annually to the student submitting the best English essay to a committee of three judges. The Saint Joseph's Alumni Association is the donor of this award. The second prize is fifteen dollars.

ERNST & ERNST SCHOLARSHIP AWARD

A plaque and a scholarship in the sum of \$500.00 are presented annually by the firm of Ernst & Ernst to a junior accounting major (to be used in his senior year) selected by the accounting faculty. The criteria for selection include: (1) major field of study must be accounting; (2) evidence of outstanding ability and potential; (3) the recipient should exhibit some evidence of interest in the field of public accounting; and (4) personal financial need should not be a factor.

THE JOHN P. HRUZIK ('52) GEOLOGY AWARD

Presented annually to a senior geology major chosen by the geology faculty and Geology Club.

INDIANA ASSOCIATION OF CERTIFIED PUBLIC ACCOUNTANTS, INC. AWARD

A plaque is presented annually by the IACPA to the outstanding senior accounting major. The selection of the recipient is made by the accounting faculty on the basis of criteria which include: (1) achievement of at least a 3.00 index in accounting and also on a cumulative basis; (2) willingness to accept responsibility; (3) extracurricular activities, particularly of a leadership nature; and (4) good moral character.

INDIANA ASSOCIATION OF CERTIFIED PUBLIC ACCOUNTANTS, INC. SCHOLARSHIP AWARD

This scholarship was established by the Educational Foundation of the IACPA to make scholarship funds available to qualified students for the study of accountancy. The grants are made available to students who are residents of Indiana and have completed five semesters of college work leading to a degree in accounting. The amounts of the scholarships are determined annually and are not to exceed \$1,500 per student. Applications are submitted to the Foundation Trustees who consider the following factors in determining the scholarship recipients: (1) academic achievement; (2) college activities; (3) financial need; and (4) appearance and personality.



**THE RICHARD L.
KILMER PRIZE IN
HISTORY**

An award of merit presented annually by the Department of History to a student who has excelled in the fields of history and its related areas. The award is in memory of Richard L. Kilmer, former Saint Joseph's professor who died in 1967.

**THE ADAM P.
LESINSKY AWARD**

Awarded annually to the outstanding member of the Saint Joseph's College Band.

THE E. W.
MAC FARLANE
BIOLOGY AWARD

Given to a student of Biology who shows particular promise as exemplified by his work in that subject.

NATIONAL HONORS
SOCIETIES

On October 15, 1956, the Gamma Delta Chapter of Delta Epsilon Sigma, National Catholic Honors Society was installed at the College. Junior students who have a minimum of a B average are eligible for this distinction; in the spring semester of 1960, the College established a chapter of Phi Eta Sigma, a national honors society for freshmen and sophomores; eligible are freshmen with a 3.50 index.



FATHER RAPP SPEECH AWARD

This award is sponsored semi-annually by the Department of Communications and Theatre Arts in honor of the Rev. Ildephonse Rapp, Professor Emeritus of Speech and Scholar of Rhetoric. Three trophies, first, second and third place, are awarded to the superior students selected from the basic courses in speech for participation in the contest. The awards are presented semi-annually at the conclusion of the final contest in the college theater. A plaque inscribed with the names of the first place winners is also maintained in the lobby of the auditorium.

SAINT JOSEPH'S COLLEGE ALUMNI BOARD SENIOR-OF- THE-YEAR AWARD

Presented by the Director of the Alumni Association to the senior who has made outstanding contributions to his class and the College.

TRUSTEES BUSINESS AWARD

A plaque and the sum of one hundred dollars, donated by the Board of Trustees of Saint Joseph's College, is annually awarded to the student graduating from the Department of Business or Accounting, who, in the estimation of a committee of instructors, is most deserving of the award in view of his superior scholarship and his leadership in extracurricular activities. In order that a student may be considered for the award he must have achieved a cumulative scholarship average of the grade B, implying a scholastic average of 3.00 and meriting graduation with the distinction, CUM LAUDE.

THE WALL STREET JOURNAL AWARD

A year's subscription to the *Wall Street Journal* and a plaque are presented by the Department of Business Administration to a senior business major.

THE LOUIS B. WHITE AWARD

This special citation of merit is presented annually by the Glee Club to its most outstanding member. The award was initiated in memory of Louis B. White, '52, former president of the Glee Club, who gave his life for his country in 1953.

J. KEVIN WOODS MEMORIAL AWARD

This special citation of merit is presented annually by the Accounting Club to an outstanding senior. The award, in memory of J. Kevin Woods, accounting alumnus of 1966 who was killed in action in Viet Nam in 1968, was established by his family and friends. A monetary sum determined annually is also presented to the recipient. The following criteria should apply in the annual selection of the student who receives the award: (1) Must be an accounting major; (2) Must have maintained C grades or better; and (3) the senior accounting majors (not the faculty) select the student most deserving of the award.

MAJORS, MINORS AND DEGREES OFFERED

Department	Major (24 hrs.)	Minor (12 hrs.)	Degree
Accounting-Finance	x	x	B.S.
Biology	x	x	B.A. or B.S.
Biology-Chemistry	x	x	B.A. or B.S.
Business Administration			
Management	x	x	B.A. or B.S.
Marketing	x	x	B.A. or B.S.
Chemistry	x	x	B.A. or B.S.
Communications	x	x	B.A. or B.S.
Economics	x	x	B.A. or B.S.
Economics-Mathematics	x		B.A. or B.S.
Education			
Elementary	x		B.S. in Educ.
Engineering			
Five-year program*			B.A. or B.S.
English	x	x	B.A.
Geology	x	x	B.A. or B.S.
History	x	x	B.A. or B.S.
Languages			
French		x	
German		x	
Greek			
Latin			
Spanish			
Liturgical Music	x	x	B.A. or M.M.**
Mathematics	x	x	B.A. or B.S.
Mathematics-Physics	x		B.A. or B.S.
Music	x	x	B.A. or B.S.
Philosophy	x	x	B.A.
Physical Education	x	x	B.S.
Physics		x	
Political Science	x	x	B.A. or B.S.
Psychology	x	x	B.A. or B.S.
Sociology	x	x	B.A.
Theology	x	x	B.A. or B.S.

*Five-year Engineering programs are available in Aeronautical, Agricultural, Chemical, Civil, Electrical, Industrial, Mechanical and Metallurgical Engineering. After three years at Saint Joseph's and two or three semesters at University of Detroit, Marquette University, New York University, Purdue University, Rose Polytechnic Institute, Saint Louis University, University of Illinois, University of Notre Dame or any accredited engineering college, the student may qualify for a B.A. degree from Saint Joseph's. After his fifth year, he qualifies for a Bachelors degree in Engineering from one of these universities.

**In affiliation with DePaul University.

GRADUATION REQUIREMENTS

MAJOR SEQUENCE

Ordinarily this will embrace a minimum of twenty-four semester hours of upper-level credit in a department. For a group major, thirty-six hours of upper-level credit are required in specified departments. *Students should observe special regulations under each department, especially regarding the lower-level prerequisites for major sequences.*

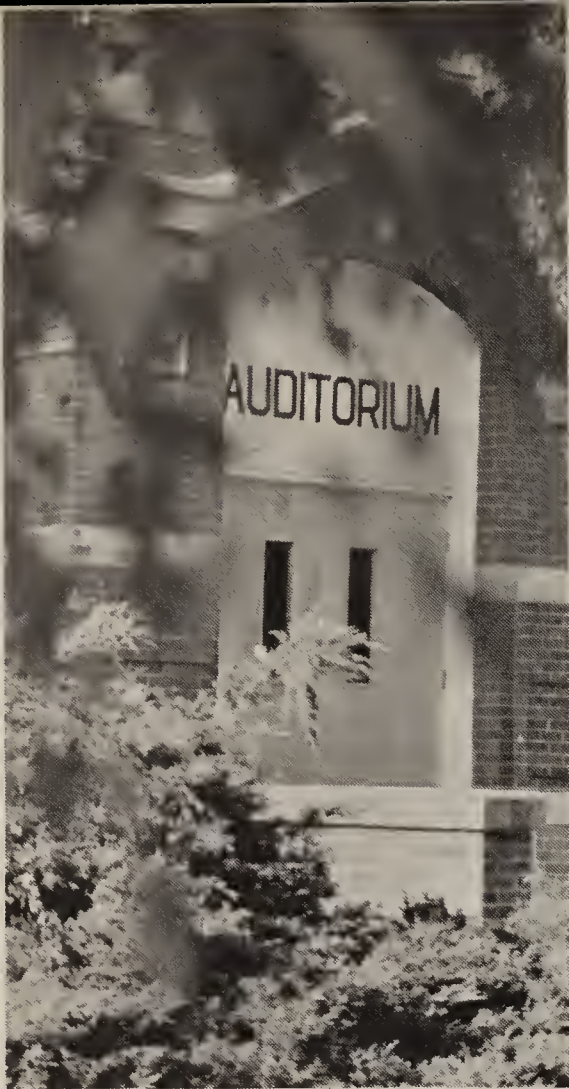
MINOR SEQUENCE

Ordinarily this will be a minimum of twelve semester hours of upper-level credit in a department chosen for its relation to the student's major sequence. Five courses in All-College Honors are acceptable as a minor sequence. The minor sequence is not a graduation requirement but, if a student completes such a sequence, it will be noted on his permanent record at his request.

ADVANCED AND SPECIAL EDUCATION (30-51) REQUIREMENTS:

The number of semester hours on the upper level required for graduation is a minimum of fifty. The program of advanced or special education will include the following:





SEMESTER HOURS AND QUALITY POINTS

1. A minimum of 124 semester hours and 248 points are required for graduation (a cumulative index of 2.00).
2. The number of quality points earned in courses of the major or group major sequence must equal at least twice the number of credit hours taken (a cumulative index of 2.00 in the major field).
3. Not more than 42 hours in a single department will be counted toward the minimum total required for graduation.

RESIDENCE

Completion of the college course requires normally that the student be in residence for eight semesters or the equivalent. Twelve hours of summer session credit are considered equivalent to one semester. Work completed at off-campus extension centers is accepted up to sixty semester hours. Not more than twelve within this maximum of sixty hours may be taken by correspondence. The last thirty semester hours and sixty quality points must ordinarily be completed on the Saint Joseph's College campus. For exception see, "Degree in Absentia," "Junior Year Abroad," and "Honors Students."

FOREIGN LANGUAGE

Any student who is a candidate for a bachelor of arts degree is required to take two years of a language or show a two-year competency and/or pass proficiency exams. German is specifically required of chemistry majors. In addition, biology, English, philosophy and sociology majors are required to fulfill the foreign language requirement since these departments offer only the B.A. degree. German is strongly recommended for students planning to enter graduate school.

ELECTIVES

Additional courses may be necessary to complete the fifty upper-level hours and a total of 124 semester hours and a minimum of 248 quality points required for graduation.

DOUBLE MAJOR

By fulfilling the requirements of two majors during the normal residence period, a student may graduate with a baccalaureate degree in the double major—for example, a bachelor of arts in English and history. This type of degree should not be confused with a group major program, such as biology-chemistry or mathematics-physics.

SECOND BACHELOR DEGREE

A student holding a bachelor's degree from any accredited college may qualify for a degree from Saint Joseph's College in a second discipline by spending the equivalent of at least one semester in full-time residence at Saint Joseph's and fulfilling the departmental requirements for the second major.

DEGREES IN *ABSENTIA*

Students who have attained senior standing after the completion of three years of residence and who have then transferred to a school of law, engineering or medicine may secure the degree *in absentia*. In addition to the requirements regarding total hours in general education, advanced courses, major and minor sequences and comprehensive examinations, the candidate will be required to show successful completion of the first year's work in the professional school in which he has enrolled.

GRADUATION WITH HONORS

Graduation with honors is conferred on the basis of successful completion of an honors seminar in the department of the student's major together with a cumulative index, through four years of 3.00 for the honor *cum laude*, of 3.50 *magna cum laude*, and of 3.75 for *summa cum laude*. A student working for a second bachelor degree will be permitted to graduate with honors if he maintains the required *cum laude*, *magna cum laude*, or *summa cum laude* index throughout the first and second degree studies and completes the honors seminar requirement.

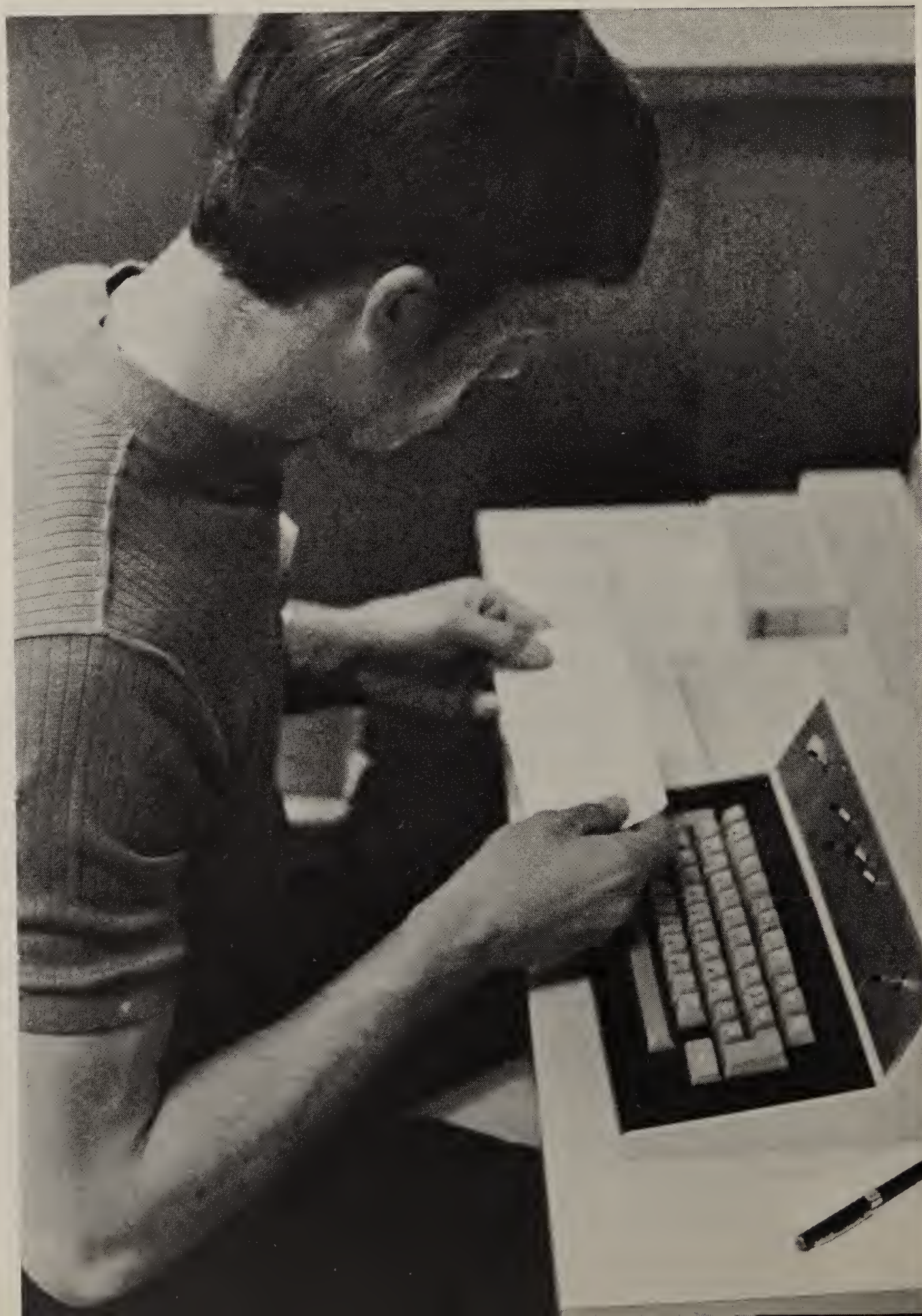
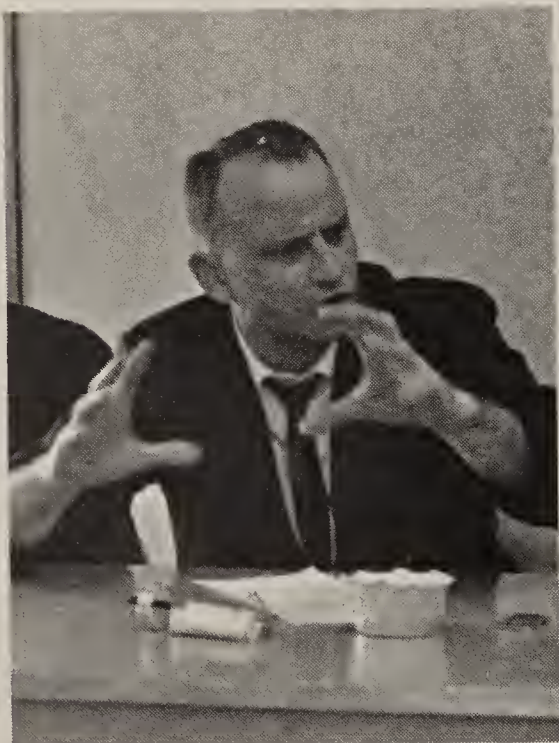


GRADUATION WITH HONORS OF DEGREE *IN ABSENTIA*

Students transferring to a professional school and planning to graduate *in absentia*, may graduate with honors by completing an honors paper in the semester preceding their transfer to a professional school. To be admitted, a student must ordinarily have a 3.00 cumulative index for the first two years. The grades which the student transfers from the professional school, when qualifying for graduation from Saint Joseph's, must, on an equivalent basis, qualify him for honors.

ALL-COLLEGE HONORS

To qualify for All-College Honors, students must: 1. have the required cumulative index for graduation with honors and 2. have completed four Honors courses (numbered in the 60's) in any of the various departments plus Honors 51 in his major field.



GRADUATION
CHECK LIST

The student is ultimately responsible for the fulfillment of all that is required toward graduation. Ordinarily he is held to the requirements of the catalogue in force at the time of his first enrollment; all subsequent changes will be announced by official bulletin from the Office of the Academic Dean and by the Registrar in his semester schedule of courses.

To assist the student in keeping track of his academic health and growth, to furnish him likewise with a record that will make his visits with the counsellor or both helpful and meaningful, the checksheet on the following three pages is inserted in this catalogue. The column on the left side of each page is for the ordinary student who enrolls as a freshman at Saint Joseph's College; that on the right is for students who transfer from another college. The latter can obtain a statement of the equivalencies of his transferred courses from the Office of the Academic Dean. Students should not fill in this checksheet until the grades and credits are actually acquired.

On the first of the following three pages is a brief summary of the graduation requirements of Saint Joseph's College which the student should consult from time to time and fill in as he progresses through his courses. On the next two pages are blanks for recording grades, hours, and quality points from which indices can be computed. (Directions for computing indices are found elsewhere in this catalogue. However, it is important to remember that a *cumulative* index is not just an average of semester indices. Rather, it is computed by dividing the total number of hours taken into the total number of quality points earned irrespective of when the courses were taken.)

INDICES

1. Total indices (compute all courses taken):

Year:	Sem. I	Sem. II	Cumulative
Freshman			
Sophomore			
Junior			
Senior			

2. Major indices (compute only upper-level courses in major sequence):

Year:	Sem. I	Sem. II	Cumulative
Junior			
Senior			

3. Cumulative total index for all four years:
(2.00 minimum for graduation)

4. Cumulative major index (upper level courses)
(2.00 minimum for graduation)

HOURS

1. Total number of upper-level hours passed
(50 minimum for graduation)
2. Total number of hours passed
(124 minimum for graduation)
3. Total number of hours in major sequence
(24 minimum for graduation; 36 in group-majors; 42 maximum which may be counted towards graduation)

OTHER REQUIREMENTS

1. Residence: 8 semesters (7 for honor students) Last 30 hours taken on campus
2. For Honors: Honors seminar paper approved and two copies filed with Registrar



GENERAL
EDUCATION
COURSES
(REQUIRED OF ALL
STUDENTS
ENROLLED AS
FRESHMEN PRIOR
TO SEPTEMBER,
1969)

Course:	No.	Hours	Grade	Transfer Student's Equivalent:
Art	27			
English	20			
History	11			
History	12			
Literature	I			
Literature	II			
Music	27			
Philosophy	12			
Philosophy	21			
Philosophy	31			
Philosophy—Upper level elective				
Sci/Math I				
Sci/Math II				
Social Sci.*				
Speech	15			
Theology	19			
Theology	20			
Theology—Upper level elective				
Theology—Upper level elective				

[illegible]

*Any course in the area of the Social Sciences, upper or lower level, fulfills this requirement.

MAJOR SEQUENCE

[illegible]

ELECTIVES AND/OR OPTIONAL MINOR SEQUENCE

[illegible]

ELECTIVES

[illegible]

GENERAL
EDUCATION
COURSES
(REQUIRED OF ALL
STUDENTS
ENROLLED
AS FRESHMEN
BEGINNING
SEPTEMBER, 1969)

Course:	No.	Hours	Grade	Transfer Student's Equivalent:
Core	1	6		
Core	2	6		
Core	3	6		
Core	4	6		
Core	5	3		
Core	6	3		
Core	7	3		
Core	8	3		
Core	9	3		
Core	10	6		
Interterm		3		

MAJOR SEQUENCE

[illegible]

ELECTIVES AND/OR OPTIONAL MINOR SEQUENCE

[illegible]

ELECTIVES



ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
Father Kissner
4812

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
5097

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
4386

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.

Father Kissner

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
6505

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
4843

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.

ST. JOSEPH'S COLLEGE
Father Kissner Susan D. Lloyd
978

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
831

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
477

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.

Father Kissner

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
5497

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
Father Kissner
4631

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
Father Kissner
5076

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
4353

Father Kissner

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
Father Kissner

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
Father Kissner
4358

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
Father Kissner

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
Father Kissner
4371

ST. JOSEPH'S COLLEGE
BIRMINGHAM, IND.
3092

STUDENT LIFE

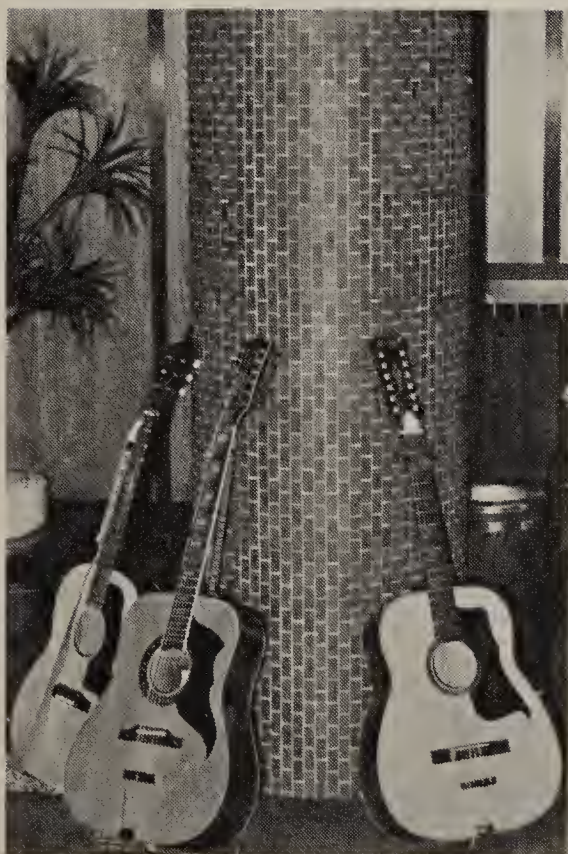


Attendance at Saint Joseph's is a privilege and not a right. The College assumes that men and women of college age have an adequate conception of the duties and responsibilities expected of them. It is understood that this privilege may be withdrawn from anyone who does not conform to the traditions and regulations of the College. Saint Joseph's at the same time, accepts an obligation to both students and parents to provide advisory and supervisory agencies.

Upon entering the college community, each student is furnished with a Student Handbook in which the specific rules of discipline and other regulations are contained. These policies are official statements from appropriate faculty, administration and student committees. Ignorance of these statements will, in no case, be accepted. All college policies apply to the student immediately upon his enrollment.

Every effort is made to encourage the student toward self-government in accordance with the ideals of obedience, honesty, courtesy and charity. When, however, a student manifests an inability or unwillingness to cooperate with the College in maintaining its regulations and policies, he subjects himself to disciplinary action. Matters of discipline are handled by Personnel Deans and the Committee on Discipline. The jurisdiction of the Committee includes cases of dishonesty, intoxication, immoral and improper conduct, serious violation of campus regulations, or behavior prejudicial to the welfare of the student or the best interests of the college. The penalties imposed by the Committee on Discipline may be probation, suspension, dismissal, or other action they may deem advisable.

In matters pertaining to social life, discipline, curriculum and scholarship, all students come under the counsel and supervision of the Vice-President for Academic Affairs, Vice-President of Student Affairs and the Personnel Deans, according to the respective jurisdiction of each office. Matters of health are in charge of the College Physician. Administrative officers, assisted by student-faculty committees, make it their purpose to become familiar with student problems and to secure the observance of adopted policies and faculty regulations.

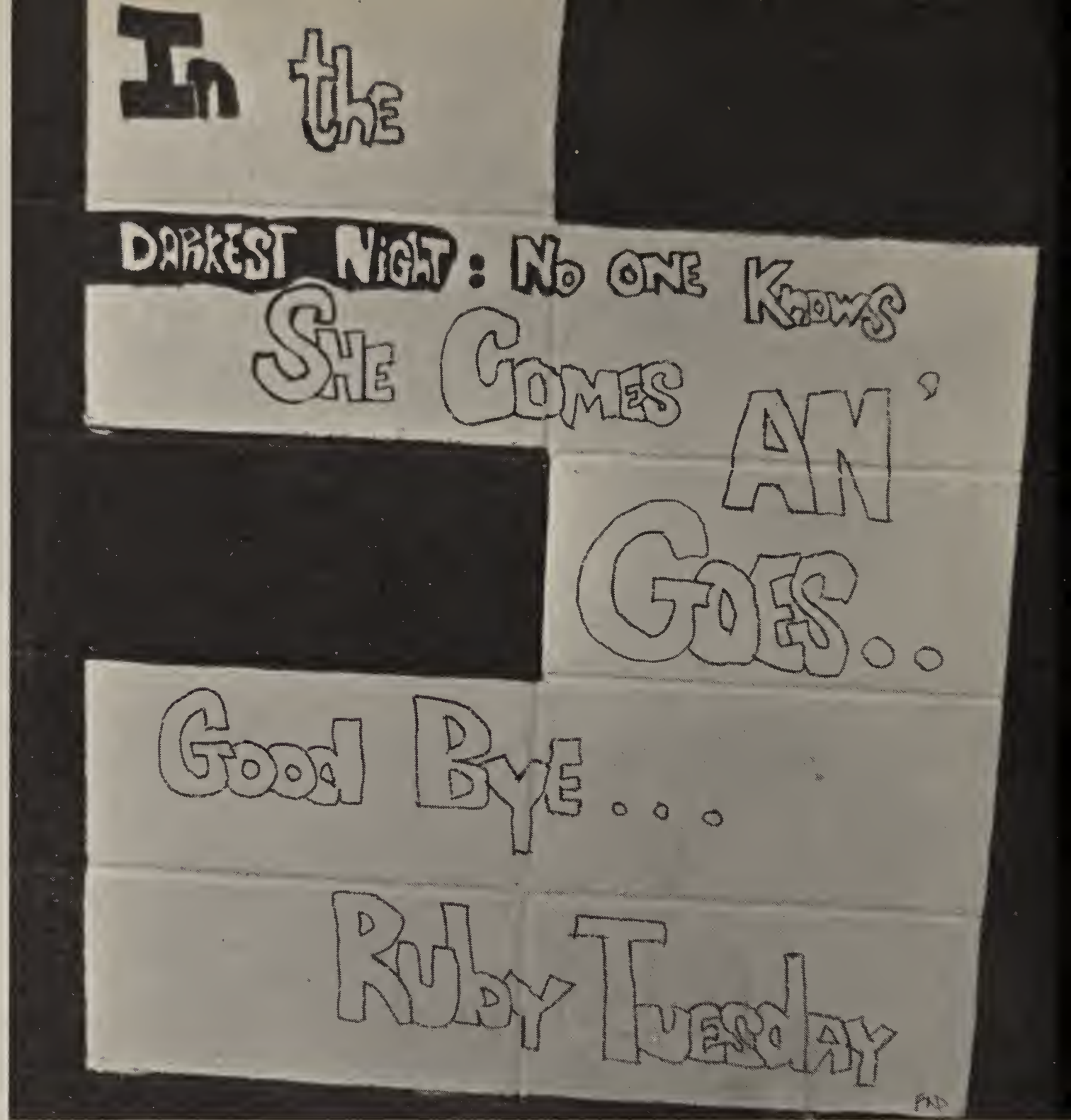




STUDENT GOVERNMENT

ACADEMIC AND PROFESSIONAL INTEREST GROUPS

FINE ARTS GROUPS



All members of the student body of Saint Joseph's College are members of the Student Association and are governed by its constitution. Its student-elected officers, the four class presidents, and the chairman of the intra-club committee comprise the Student Association. The Student Association, or its committees, representing the Student Union, serves as a channel of communication and consultation between the student body and the faculty and administrative officers of the College.

Accounting Club; Chemistry Club; Debating Club; Digamma Kappa Lambda; Engineers Club; English Club; Future Executive Club; Law Club; Math Club; Political Science Club; Sociology Club; Student Chapter of the National Catholic Music Education Association; Student National Education Association.

Columbian Players; marching band; concert band; pep band; glee club; Women's Chorus; Singing Seventeen; Sweet Sixteen; Blue Knight dance band and the Rite of Spring.

PUBLICATIONS

STUFF, the weekly student newspaper; MEASURE the literary magazine is published twice yearly; PHASE is the college yearbook.

SOCIAL AND SPECIAL INTEREST GROUPS

Alpha Tau Gamma; Black Student Union; Barbell Club; Chicago Club; Courier Club; Fort Wayne Club; Hockey Club; Lake Co., Club; Monogram Club; Motor City Club; Ohio Club; Ski Club; Soccer Club; Turners Gymnastics Club; WOWI Radio; Young Democrats Club; Young Republicans Club.

SCHOLASTIC HONOR FRATERNITIES

Delta Epsilon Sigma; Phi Eta Sigma

HONORARY FRATERNITIES

Blue Key; Who's Who





PERSONNEL SERVICES

ALUMNI ASSOCIATION



Organized June 17, 1896, after the charter class of 1891 was graduated, the *Alumni Association* of Saint Joseph's College was established . . . "to cherish and strengthen the love of the graduates of Saint Joseph's College for their Alma Mater; to keep graduates of the different classes in communication with the college and with each other; and to bring about an acquaintance and friendship among the graduates of the different years that they may assist each other in attaining these ends." Membership is open to any graduate or former student who leaves in good standing. There are no dues. The college publishes an alumni newspaper which is mailed to all members nine times a year without charge. Alumni are invited to return to the campus each year for the annual homecoming weekend held during football season. Chapters of the association are established in cities throughout the country. The association assists the college in: fund raising; student recruitment; publicizing the college in local communities; and placement of graduates.

COLLEGE BANK

For the convenience of the student, the College operates a private banking system. The student may deposit and withdraw from his account at will.

COUNSELING

The Director of Guidance assigns to each freshman a member of the faculty to serve as an advisor in educational, vocational, and personal matters. Students above the freshman level are permitted to select counselors from a list prepared by the Director of Guidance. Each faculty counselor has access to grades, test results, health records and other pertinent information concerning his counselees.

HEALTH SERVICE

All students are required to have a Student Health Record completed by their family physician. The in-patient and out-patient sections of the Health Service are under the supervision of two registered nurses. The College physician has regular office hours and is available for any emergency. The services of a clinical psychologist are also available.

A voluntary accident and sickness insurance plan is available to all students. Information concerning this plan may be obtained from the

LAUNDRY SERVICE

Business Office.

A private agency operates a commercial laundry on the campus and will handle campus laundry at a special rate. This agency also operates a laundromat where the student may use automatic washers and dryers.

MAIL, TELEGRAPH, BAGGAGE

Saint Joseph's College has its own post office and zip code. All mail should be addressed to Saint Joseph's College, Rensselaer, Indiana 47979. All telegraph, express and baggage should also be addressed to Saint Joseph's College, Rensselaer, Indiana.

MILITARY SERVICE

Selective Service provides qualified students with various opportunities for deferment. The Office of the Registrar makes special efforts to acquaint students with these opportunities.

While Saint Joseph's does not offer R.O.T.C. programs, students are eligible to enlist in the United States Marine Corps Platoon Leaders Class. This program carries a draft deferment until graduation and leading to a commission and active duty in the Marine Corps. Representatives from other branches of the armed forces visit the campus to acquaint students with the opportunities for specialized service after graduation.

ORIENTATION PROGRAM

The College conducts an orientation program for all new students. Faculty members serve as counselors and assist new students in planning their programs for the first semester.

PLACEMENT PROGRAM

The Saint Joseph's College Placement Bureau is operated by an experienced director, who advises and assists students seeking employment after graduation. It is the responsibility of the bureau to develop and maintain communication channels among students, alumni, faculty, administrators, industry and government so that their respective needs and interests can be properly programmed into the College's curriculum.

RECREATION AND ATHLETICS

In its athletic program, Saint Joseph's College is governed by the policies of the North Central Association of Colleges and Secondary Schools, the National Collegiate Athletic Association and by the rules of the Indiana Collegiate Conference. The Saint Joseph's College PUMAS participate in a complete program of intercollegiate football, basketball, track, golf, wrestling, bowling and tennis.

In addition to the intercollegiate program, the College offers a well-developed program of intramural activities. All students participating in intramural programs are urged to get proper insurance coverage. It is understood that the College will not be responsible for injuries incurred in intramural games.





RELIGIOUS EXERCISES

The forming of a true Christian character in the student is the highest aim in education. All Catholic students are urged to make the annual retreat and to attend daily mass and benediction. Opportunity for confession is available daily. The program of religious exercises is arranged by the Chaplain, who is likewise available for consultation with any student.

TELEPHONE

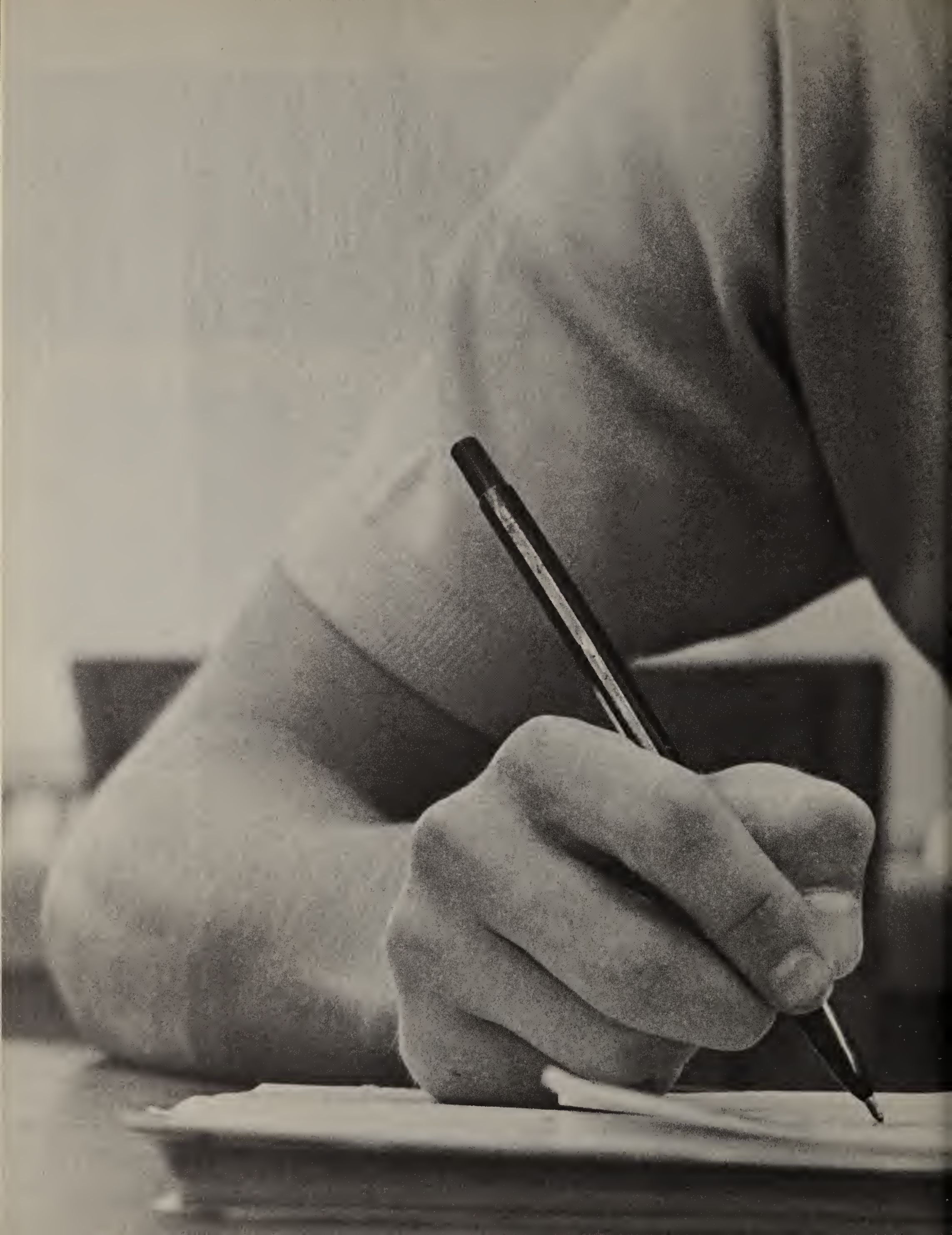
Saint Joseph's telephone number is Area Code: 219; Phone 866-7111. The College telephone switchboard is open from 8:00 a.m. until 10.00 p.m. each day during the school year. During these hours incoming calls to college students (except for those living in Scharf, White and Washburn) should be made through the College switchboard (Rensselaer, Area Code: 219, Phone: 866-7111). From 10:00 p.m. until 8:00 a.m. calls should be made directly to the pay phone in the hall in which the student lives. Each student should give members of his immediate family the number of his hall pay phone.

The following are the numbers of hall pay phones on which incoming calls should be received after 10:00 p.m.

Bennett	866-7598	Scharf	866-3729
Drexel	866-7953	Oppenheim East	
Gallagher	866-7920	1 Floor	866-7993
Gaspar	866-7985	2 Floor	866-7902
Halas	866-7948	3 Floor	866-7901
Merlini	866-7957	West	
Noll	866-7959	1 Floor	866-7997
Seifert	866-7956	2 Floor	866-7998
White House	866-7981	3 Floor	866-7995
Washburn	866-7936		

TESTING PROGRAM

Students may take tests in various fields, the results of which are used chiefly to give the faculty counselor information needed in planning the program of his counselees.



CURRICULUM

ACCREDITATION

National Council for Accreditation of Teacher Education
North Central Association of Colleges and Secondary Schools
State of Indiana Department of Public Instruction for the training of
elementary and secondary school teachers

AFFILIATION

De Paul University*
Marquette University**
New York University**
Purdue University**
Rose Polytechnic Institute**
Saint Louis University**
University of Detroit**
University of Illinois**
University of Notre Dame**

MEMBERSHIP

Adult Education Association
American Association of Collegiate Schools of Business
American Council on Education
Association of American Colleges
Association of American Colleges for Teacher Education
Association of University Evening Colleges
College Entrance Examination Board
Commission on Christian Higher Education of the Association of
American Colleges
Indiana Conference of Higher Education
National Catholic Education Association
National Collegiate Honors Council

*Affiliated with the Graduate School of Music of De Paul University in
a program leading to the Master of Music degree in Church Music

**Affiliated on 3-2 Liberal Arts-Engineering Programs

DEPARTMENTS AND COURSES

Department of Accounting— Finance

The Accounting major provides the fundamental courses which are to prepare the student for entrance into the profession of accountancy, including public and private accounting practice or government service. Upon completion of this program of study, the student becomes eligible for the bachelor's degree in accounting, and he may secure through experience and state examination the status of certified public accountant.

In the field of public accounting there are opportunities in municipal and private auditing, system design and installation, cost and tax work. Federal and state governments provide opportunities for accountants in a wide variety of activities, including income tax and other taxation, farm administration, banking, interstate commerce, and the like. In private accounting practice, thoroughly trained accountants have opportunities for advancement into executive, financial, and auditing or cost positions.

The Finance major provides academic training in financial analysis and management. Courses offered give the student a general foundation in the acquisition and control of the finances of the corporation. The Finance major is designed for positions in financial institutions such as banks and investment firms, commercial and industrial firms, and the financial regulatory agencies of the federal and state governments.

DEPARTMENTAL REQUIREMENTS: ACCOUNTING

1. Accounting 21-22 and Economics 21-22 are PREREQUISITES for all upper-level courses in accounting.

2. The requirements for a MAJOR sequence in accounting are twenty-four hours in upper-level courses, including the following: Accounting 31, 32, 33, 41 and 45-46 and Economics 38. The requirements for a MINOR sequence are any twelve hours in upper-level courses.

SUGGESTED PROGRAM

1. In the freshman year, students majoring in accounting take: Core 1-2; Finance 21; Accounting 21-22; Economics 21-22. The elective recommended in the freshman year is Business 21.

2. On the upper level, and for those students wishing to obtain two degrees in accounting and finance, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second. The policies governing a second bachelor degree are found under "Graduation Requirements" in this catalog.

DEPARTMENTAL REQUIREMENTS: FINANCE

1. Finance 21, Business Administration 21, 22, Economics 21-22, and Accounting 21-22 are PREREQUISITES for all upper-level courses.

2. The requirements for a MAJOR sequence in FINANCE are twenty-four hours in upper-level courses composed of the following: Business Administration 38, Finance 33, 36, 40, 43, 48, and Economics 35, 40.

SUGGESTED PROGRAM

1. Students in the freshman year in finance will take: Core 1-2; Finance 21; Math 11-12; History 23-24; Business Ad. 21.

2. Prerequisites to be taken in the sophomore year are the following: Accounting 21-22, Economics 21-22, and Business Administration 22.

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

4. Non-majors interested in taking finance courses should consult a faculty member within the department.

COURSES IN ACCOUNTING

21-22. PRINCIPLES OF ACCOUNTING

6 hours

A fundamental course in accounting. The course is presented so that the student is properly prepared in the theory and techniques of accounting that are necessary for the advanced course. Emphasis is placed on the solution of accounting problems.

23-24. BUSINESS LAW

6 hours

This course is designed to acquaint the student with those phases of law most frequently met in business. The selected areas of study include contracts, negotiable instruments, agency, sales, partnerships, corporations, property and torts.

Prerequisite for Accounting 24: Accounting 23.

31. INTERMEDIATE ACCOUNTING

3 hours

An investigation into the form and content of financial statements with particular emphasis on accounting for assets, both tangible and intangible. Special attention is given to corporate capital accounts.

32. ADVANCED ACCOUNTING

3 hours

Advanced partnership problems and techniques for analyzing and interpreting financial statements are considered in this course. Attention is also given to special transactions resulting from consignments and installment sales. The effects of changes in the value of the dollar on accounting problems completes the course.

33. COST
ACCOUNTING

3 hours

A study of the basic terminology, concepts, and techniques of cost determination. Job order, process, and standard cost systems are explored through the medium of problems.

34. ADVANCED
COST ACCOUNTING

3 hours

This course is designed to familiarize the student with analytical interpretation of cost data. The areas of budgetary controls, direct costing, cost-volume relationships, and variance analysis are given special consideration.

Prerequisite: Accounting 33.

38. PRO-SEMINAR
IN ACCOUNTING
THEORY

3 hours

An introduction, by means of directed reading and individual projects, to the methods of accounting research and the theory of accounts.

41. SPECIALIZED
STATEMENTS

3 hours

Special emphasis is placed on the preparation of consolidated statements of position and income. Consideration is also given to such supplementary statements as the funds statement, cash-flow statement, and statements required of fiduciaries.

45-46. INCOME TAX
ACCOUNTING

6 hours

This course is designed to familiarize the student with the federal income tax laws by means of lectures and practical problems. It is devoted to an intensive study of the income tax laws as they apply to individuals, partnerships, and corporations.

47. AUDITING

3 hours

A course designed for those intending to enter the profession of public or private accounting. The responsibilities of auditors and the regulations applying to the profession are studied, with special reference to the rules of professional conduct for members of the American Institute of Certified Public Accountants. Various types of audits and their purposes are analyzed. Certificates are studied and prepared.

48. C.P.A.
PROBLEMS

3 hours

51. HONORS
SEMINAR IN
ACCOUNTING

3 hours

52. APPLICATION OF DATA PROCESSING TO ACCOUNTING AND BUSINESS RECORDS

3 hours

The course deals with fundamental concept involved in converting a hand written and/or mechanical system of business records to either punch card or tape type data processing equipment. The course also includes the conversion period, the expansion and up dating period, and the problems related to these normal steps in the complete development of a data processing system for business enterprises.

53. INTERNSHIP

3 hours

To those students who qualify to participate in the Internship Program of the Accounting Department of Saint Joseph's College, 3 hours credit will be awarded for above average completion of the internship period with professional accounting firms. Achievement will be based upon the written report of the intern which will have to be submitted to the department. The report shall cover his activities, the conducting of audit in professional firms, and/or other suitable topics as elected by his faculty advisor. The department shall work in conjunction with the supervisor of interns with each respective professional firm which agrees to cooperate and work jointly with the Accounting Department of Saint Joseph's College.

55. INDEPENDENT STUDY

1-4 hours

COURSES IN FINANCE

21. PRINCIPLES OF FINANCE

3 hours

This course deals with the principles and practices of budgeting, credit buying, borrowing, banking and savings, taxation, real estate, insurance, investments, wills and estates. Emphasis is placed upon the individual's relationships to the financial sector of the economy.

33. CORPORATION FINANCE

3 hours

A study of the financial problems involved in organizing and managing a business. Includes a study of the financial aspects of promotion, securing capital through the issuance of securities, capitalization, dividend policies, financial analysis, current financing, receivership, consolidation, bankruptcy, reorganization and related issues.

36. INVESTMENTS

3 hours

This course is designed to familiarize the student with the various stock, bond, and other investment markets. Includes treatment of investment objectives, investment institutions, sources of information, media of investment, analysis of risk, and the formulation of appropriate investment policies for individuals and institutions.

**40. FINANCIAL
ANALYSIS AND
CONTROL***3 hours*

A study of the character and importance of the respective items in financial statements with critical analysis and interpretation of statements of business enterprises. With the knowledge gained from the foregoing, estimating income and expense, profit-planning and control, measuring operating efficiency, and enforcing budgets are reviewed.

Prerequisites: Finance 33.

**43. FINANCIAL
INSTITUTIONS***3 hours*

A critical study dealing with the institutional framework of the economy by which savings and credit are made available to business, consumers, and the government, together with an analysis of the impact of the various flows of funds on the total economy. Among the institutions covered are: federal financial institutions, commercial banks, savings and loan associations, insurance companies, investment and pension funds, investment banking, and the money and capital markets.

**48. PROBLEMS OF
FINANCIAL
MANAGEMENT***3 hours*

This course presents a series of comprehensive financial problems by which it is intended to perfect the student's ability to utilize the methods and techniques of financial analysis and management acquired in previous courses.

**51. HONORS
SEMINAR***3 hours***55. INDEPENDENT
STUDY***1-3 hours***Department
of Art**

The courses in this department are designed to provide training in the various arts, as well as an understanding and appreciation of artistic works. Certain courses are intended to equip the prospective teacher in the training of children in the arts.

COURSES IN ART**11-12. BASIC
DESIGN WORKSHOP***4 hours*

This workshop stresses the elements of good design, including art for the home and community, as well as techniques. In the first semester emphasis is placed on the study of composition, the use of basic design shapes, the study of basic color theory, and the study of line mass relationships. The second semester provides the student with an opportunity for the practical application of the principles presented in the first semester and for experimentation in all media.

**27. ART HISTORY
AND APPRECIATION***2 hours*

A course designed to furnish the student with a background for an understanding of the arts and to broaden his judgment in regard to what constitutes beauty and good taste. A brief survey of painting, sculpture, architecture, and the minor arts of all periods.

**31-32. GENERAL
DRAWING I AND II***4 hours*

The first semester emphasizes free hand drawing of seen objects and still-life subjects. The course is planned to develop an understanding and awareness of form, light and shadow, line, pictorial composition and color. The second semester deals with extensive experimentation with a variety of media for a more versatile expression. Students work in pencil, pen and ink, charcoal, crayon, chalk and water color.

**41-42. PAINTING
I AND II***4 hours*

The first semester deals with painting seen objects and still-life set-ups; understanding of oil paint as an expressive medium; and working with color, composition, various techniques and experiments. The second semester takes up figure painting and the more advanced techniques of expression in oil painting, use of water colors, and casein.

**43-44. SCULPTURE
WORKSHOP I AND II***4 hours*

The first semester offers the student an opportunity to work in plaster casting and wood carving. Special emphasis is placed on creative form and good design. In the second semester the student has an opportunity to carve in stone and work with metal. Extra materials fee (in each semester): \$10.00.

**47. ART SKILLS
AND CRAFTS***3 hours*

The fundamentals of drawing, pattern, composition, essentials of lettering and posters are intertwined with the materials, processes and products of industry. The student is shown how to organize this knowledge for effective teaching at the elementary level.

**Department of
Biology**

The departmental courses in biology are intended to help the student acquire: 1. A knowledge of the basic principles of the biological sciences and some skill in the application of the scientific method to biological problems. 2. The necessary background for work in graduate or professional schools of medicine, dentistry, or biological science. 3. The biological background for certain professional careers such as teaching biology in secondary schools or working with biological surveys and in museum laboratories.

Several Harvey assistantships, both junior grade and senior grade, are offered annually to qualified biology or biology-chemistry majors. Freshmen, sophomores, and juniors are welcome to apply during the last month of their respective school years.

Interested and qualified majors in biology are encouraged to implement their training in zoology and/or botany by field work, marine or fresh water, in the taxonomic, embryological, and physiological areas, in any approved biological stations, e.g., in Michigan, Massachusetts (Woods Hole), Carolinas, Maine, Oregon, etc. With the previous consent of the department, credits received will be accepted here.

Laboratory fees: Biology 11, 12, and 22, each \$7.50. Biology 32, 33, 37, 39, 40, 41, 43, 44, 45, 46, and 51, each \$10.00.

DEPARTMENTAL REQUIREMENTS

1. Biology 11-12 are *prerequisites* for all other courses in biology. (Note: For Biology 22, prerequisites: Biology 11 only; for Biology 25, no prerequisites.)

2. The requirements for a *major* sequence in biology are twenty-four hours in upper-level courses, including the following: Biology 37, 35-36 and 40; Chemistry 11-12, 31-32; Physics 21-22; and four semesters in one foreign language (German or French is recommended). The requirements for a *minor* sequence are any twelve hours in upper-level courses.

3. Majors in biology who plan to teach in high school must show credit in Chemistry 31-32 and Physics 21-22; they may substitute education courses for the foreign language requirements.

Note: See chairman of the department of education for other requirements.

4. A *group major* in biology-chemistry is offered for pre-medical students. The requirement is thirty-six hours in upper-level courses in biology and chemistry so distributed as to fulfill a minimum of sixteen in each department, including the following: **Biology 39 and Chemistry 31-32, 33 and 36**, plus the language requirement mentioned above in #2.

5. Teaching major. See the suggested program (Department of Education, p. 85).

SUGGESTED PROGRAM

1. Freshman students majoring in biology or biology-chemistry take: Core 1-2; Biology 11-12; Chemistry 11-12; Math 11, 15.

2. Requirements to be taken in the sophomore year are Biology 37 and 40, and Chemistry 31 and 32.

3. On the upper level, students should see their faculty counselor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

4. Special requirements to be fulfilled in the junior and senior years are: four semesters in one modern language; Physics 21-22; and Humanities 25, 27.

COURSES IN BIOLOGY

11-12.

INTRODUCTION TO EXPERIMENTAL BIOLOGY

8 hours

An introductory discussion of the concepts and methods of biology with stress on laboratory investigations to emphasize biology as a science of enquiry. The open-end type of laboratory allows the student to develop areas of interest to his fullest capacity. This course is prerequisite to all other course offerings in Biology. Two lectures, one discussion period and one three-hour laboratory period each week. (Open to Biology majors in the freshman year, to non-majors in the sophomore year.)

22. HUMAN ANATOMY AND PHYSIOLOGY

4 hours

An introductory course intended primarily for physical education majors. The course is recommended for students preparing to teach biology or health in high school. Three lectures and one two-hour laboratory period each week.

Prerequisites: Biology 11 or Biology 12.

25. PERSONAL AND COMMUNITY HEALTH

3 hours

(Same as Physical Education 25. See course description there.)

30. INTRODUCTION TO SCIENTIFIC LATIN AND GREEK

1 hour

A study of the elements of the Greek and Latin languages, together with their roots and the corresponding English derivations commonly used in biological, chemical, and medical sciences. Open to sophomores, juniors, and seniors. One 90 minute lecture each week.

31. METHODS FOR TEACHING BIOLOGY

2 hours

(For prospective Biology teachers only.)

32. CONSERVATION OF NATURAL RESOURCES

3 hours

A study of the principles and methods of conservation of natural resources (soils, water, atmosphere, biotic, mineral, and human powers) with emphasis on biological conservation as practiced in the United States. Three lectures with field work each week.

33. ECOLOGY

3 hours

The study of organisms in relation to their environments, namely, physical: light, temperature and water; biogeochemical: chemical cycles, energy cycles and geological cycles; biotic: food chains and competition. Three lectures with field work each week.

35-36. SEMINAR IN BIOLOGY

2 hours

Intensive discussion of selected topics in biology led by members of the staff. **Required for graduation of all seniors majoring in biology or biology-chemistry group sequence.** Open for attendance without credit to all other interested students with permission of the staff. Juniors majoring in Biology are expected to attend all sessions.

37. COMPARATIVE VERTEBRATE ANATOMY

4 hours

The study of type forms of different classes of vertebrates, from the viewpoint of the morphological and physiological relationships of the various organs and systems. Two lectures and two two-hour laboratory periods each week.

38. GENETICS

3 hours

A study of the general principles of heredity and the operation of hereditary factors in the origin and development of species and of individual traits.

39. METHODOLOGY AND INSTRUMENTATION

3 hours

A resume of the more common, important lab methods and/or techniques and lab instrumentation which a student may not have encountered in his other courses. Methodology includes e.g., techniques of collection and preservation of animal and plant specimens, tissue culture, pure culture, other more recent lab techniques, together with current literature reviews. Instrumentation embraces demonstration and student uses of more sophisticated lab equipment, e.g., respirometry, Tecktronix, physiography, phase and fluorescence microscopy, spectrometry, electrophoresis and chromatography. This course (with appropriate modifications) satisfies the biology teacher requirement. One lecture and two two-hour lab periods each week.

40. EMBRYOLOGY

4 hours

Laboratory study of the developmental anatomy of frog and chick embryos. Lecture emphasis is placed on an analysis of the processes of development and a study of elementary experimental embryology. Two lectures and two two-hour laboratory periods each week.

41. INVERTEBRATE ZOOLOGY

4 hours

A study of the characteristics and relationships of representative species of invertebrates with reference to classification. This course includes some field work in ecological study, collection of specimens, their identification and preparation for laboratory and museum display. Three lectures and one three-hour laboratory period each week.

42. HISTORY OF BIOLOGY*2 hours*

A survey of the development of the science of biology. Particular attention is given to the interplay of philosophy and science and to the development of the conceptual framework of biology. Required readings and papers. Discussions and conferences with staff and with related departments.

43-44. MICROBIOLOGY*8 hours*

A study of bacterial structure, life activities, and classification; also introductory studies in immunology, mycology, parasitology, and virology. Laboratory methods of culture, isolation, and identification of various saprophytic and pathogenic organisms, particularly enteric forms; some serological techniques; water, milk, soil and food bacteriology. Two lectures and two two-hour laboratory periods each week.

Prerequisite: Chemistry 32.

45. GENERAL PHYSIOLOGY*4 hours*

The physiological processes at the organismic level are analyzed and correlated with the simpler manifestations at the cell level. Among the topics discussed are the structure and composition of cells, reactions of organisms to the environment, adjustment and maintenance of the internal environment, energy sources and utilization of energy for movement, production of electricity. Two lectures and two two-hour laboratory periods each week.

Prerequisites: Physics 22 and Chemistry 32.

46. ANIMAL HISTOLOGY AND MICROTECHNIQUE

A microscopic study of prepared normal vertebrate tissues and organs, with special reference to human tissues. Some laboratory is also devoted to preparation of small organisms and of animal and plant tissues. Two lectures and two two-hour laboratory periods each week.

51. HONORS SEMINAR IN BIOLOGY*3 hours***55. INDEPENDENT STUDY***1-4 hours***Department of Business Administration**

The courses in business administration have been designed to provide the knowledge required for positions in business. Their aim is to combine specific preparation with a background in general education, which with experience, should enable one to assume positions of higher responsibility more rapidly and competently.

DEPARTMENTAL REQUIREMENTS

1. Business Administration 21, 22, Economics 21-22, and Accounting 21-22 are *prerequisites* for all upper-level courses.

2. The requirements for a *major* sequence in *management* are twenty-four hours in upper-level courses composed of the following: Business Administration 31, 32, 35, 38, 41, and 42.

3. The requirements for a *major* sequence in *marketing* are twenty-four hours in upper-level courses composed of the following: Business Administration 34, 38, 39, 45, 49, 50.

4. The requirements for a *minor* sequence in *business administration* are twelve hours in upper-level courses including Business Administration 38. For a *minor* sequence in *management* or *marketing*, the remaining hours must be taken from these respective areas.

SUGGESTED PROGRAM

1. In their freshman year, students majoring in Business Ad. will take: Core 1-2; Accounting 21-22; Economics 21-22; Business 21, 22.

2. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

COURSES IN BUSINESS ADMINISTRATION

21. INDUSTRIAL ORGANIZATION

3 hours

This course deals with the basic concepts of production management including plant location, allocation of resources, organization of labor. Attention is given to elements of organizational theory.

22. PRINCIPLES OF MARKETING

3 hours

A study of the structure and process of marketing with emphasis upon the manner in which marketing distributes economic resources and stimulates demand. Consumer, industrial and government markets are analyzed and the resources of the economy are reviewed from the standpoint of the marketing problems they present. The organization of marketing is described with special attention devoted to channels of distribution and the various types of retailers and wholesalers. Descriptive cases and commodity analysis are used throughout the course.

31. PRODUCTION MANAGEMENT

3 hours

The purpose of this course is to present a framework of principles, methods, procedures, and techniques of factory management, and to develop the student's ability to make sound managerial decisions, especially at the operational level. By means of selected case problems, emphasis will be placed upon the following topics: research, development, and engineering; manufacturing processes; the management of physical

property; motion and time study; production planning and control; operations research; quality control, and cost control.

32. PERSONNEL MANAGEMENT

3 hours

An analysis of the personnel function in the management of business enterprises. Problems in selection, placement, compensation, training, and maintenance of work teams in different types of business enterprise will be considered. Emphasis will be placed on both the functions of the personnel manager and the individual line managers and supervisors.

34. SALES MANAGEMENT

3 hours

A study of the managerial functions of the sales manager, with particular reference to problems involved in investigations of marketing, planning and the sales effort, management of sales and service personnel, and control of the sales operations. The preliminary part of the course is devoted to a study of the principles and techniques of personal selling. This involves examination of the various aspects of selling such as: development of psychological rapport with prospects, organization of prospecting activities, analysis of public relations problems.

Prerequisite: B.A. 21.

35. PRINCIPLES OF MANAGEMENT

3 hours

The purpose of this course is to present a carefully organized system of concepts by which the basic meaning and the universal principles of management can be grasped. This course is limited to a treatment of that body of fundamental principles which underlies all management regardless of type or size of business. A study of the structure of industry in the U.S., the objectives and means of a business enterprise, the functions of business, the environment of a business, the purpose and methods of management, administrative decision-making and the functions of management.

38. ELEMENTARY STATISTICS

3 hours

An introduction to the fundamentals of modern statistics. Topics to be considered include the following: descriptive statistics, frequency distributions, measures of location, measures of variation, probability and decision-making, problems of estimation and tests of hypotheses, linear regression, correlation, and time series analysis. **Emphasis on the interpretation and use of statistical analysis in business and economic problems.**

39. RETAILING ORGANIZATION AND OPERATION

3 hours

This is a basic survey course which includes an analysis of the opportunities, development and present status of the retailing industry. Course content includes: Methods of store management, principles of store location, organization for control of merchandise, devices for improvement of store services, control of store expenditures, and coordination of credit, sales and other marketing activities.

41. MANAGERIAL DECISION-MAKING

3 hours

A course designed to present an organized and integrated approach to the managerial decision-making process. Emphasis will be placed on the following topics: the nature of the decision-making process; the stages of decision-making; the use of premises in decision-making; decision and implication; validating forms for decision-making; planning and decision-making; organizing for effective decision-making; controlling and decision-making; operations research; application of quantitative methods to the solution of business problems; and the implementation of decisions. Problems will be presented to give students practice and guidance in arriving at valid decisions.

42. SEMINAR IN ADMINISTRATIVE POLICY

3 hours

This course is designed to give students practice in policymaking thereby enhancing their ability to identify, analyze, interpret and evaluate business policies, especially those of large corporations. Through the study of actual business situations, the student will learn to diagnose a company's problems and to consider the various factors influencing managerial policy decisions. Cases are selected from a variety of industries to emphasize the universality of management problems and to give the student a facility for solving problems wherever they may develop. An attempt will be made to focus previously gained knowledge of accounting, finance, management, marketing and economics upon such matters as organizational, administrative, procurement, production, sales, labor, financial and expansion policies.

45. ADVERTISING: PRINCIPLES AND PROCEDURES

3 hours

A study of the role of advertising in the marketing structure and as a marketing tool of the individual firm. Consideration is given to the character of demand as seen by the individual firm and the opportunities for modifying it through the use of advertising. Content of the course includes an analysis of buying motives, social forces involved in consumer behavior, measurement of the market potential determination of proper advertising budgets, media allocations, and the devices used to measure the effectiveness of advertising campaigns.

49. MARKETING RESEARCH

3 hours

The use of scientific method by business in gathering and utilizing marketing data in the efficient selling of merchandise. An analysis of advertising selling and price and product problems that market research may assist in solving; research methods and techniques; analysis and interpretation of typical marketing data; questionnaire building and methods of sampling; a survey of problems that a division of marketing is likely to face; analysis of markets through company records, published sources and original investigation.

**50. MARKETING
MANAGEMENT***3 hours*

A study of the marketing problems of the firm approached from a management point of view. Emphasis is placed on the development of the student's ability to analyze marketing situations, identify problems, determine solutions, implement corrective action, and plan strategy. The student learns how the marketing management functions of merchandising, channel selection, determination of brand policy and price policy, sales promotion, advertising and personal selling integrate to produce an effective marketing program.

**51. HONORS
SEMINAR IN
BUSINESS
ADMINISTRATION***3 hours***55. INDEPENDENT
STUDY***1-3 hours***Department of
Chemistry**

The courses in the Department of Chemistry are designed to help the student: 1. To understand and appreciate, by means of basic courses, the principles of chemistry. 2. By means of carefully supervised laboratory work and by an introduction to the literature of the field: a) To observe carefully and accurately natural phenomena. b) to realize and appreciate the problem of the application of the theoretical principles to actual experimental work. 3. By a study of the literature and by means of a minor research problem to initiate the development of the skills and attitudes requisite for research in the field of chemistry. 4. To meet the basic requirements in chemistry for entrance into graduate school, medical school, or industrial chemistry.

Unless otherwise noted, laboratory periods are three-hour periods. Laboratory fees: Chemistry 11, 12, 45, and 46, each **\$7.50**. Chemistry 31, 32, 33, 34, 35, 36, 37, 39, and 51, each **\$10.00**. Chemistry 48, **\$5.00**.

**DEPARTMENTAL
REQUIREMENTS**

1. Chemistry 11-12 are *prerequisites* for all upper-level courses in chemistry. It is further necessary, for the student majoring in chemistry, to show credit in Mathematics 11, 15, 25, 26.

2. The requirements for a *major* sequence in chemistry are twenty-six hours in upper-level courses, including courses in organic, quantitative analysis, physical chemistry, and either 48, or 51; Physics 21-22, and four semesters of college German or the equivalent. The requirements for a *minor* sequence in chemistry are twelve hours in upper-level courses, including Chemistry 33.

3. For the *group major* in biology-chemistry, see the department of biology.

SUGGESTED PROGRAM

1. Freshman students majoring in Chemistry take: Core 1-2; Chemistry 11-12; Math 11, 15.
2. Requirements to be taken in the sophomore year are Chemistry 31-32 and German 1-2.
3. On the upper-level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.
4. Special requirements to be fulfilled in the junior and senior years are: German 21, 26 (or equivalent); Physics 21-22; and Humanities 25, 27.

COURSES IN CHEMISTRY

11-12. GENERAL CHEMISTRY AND ELEMENTARY ANALYSIS

8 hours

The introductory chemistry course stresses the general principles of chemical science, together with an exploration into the inorganic chemistry of the elements. The laboratory work includes a qualitative analysis for elements in the first semester and an introduction to quantitative analysis in the second semester. Two formal lectures, one quiz section, and three hours of laboratory work per week.

31-32. ORGANIC CHEMISTRY

8 hours

A study of the structure, reactions, and properties of the aliphatic and aromatic carbon compounds. The applications of organic chemistry in industry and medicine are emphasized. In the laboratory the important methods and techniques are stressed. The material presented in the lectures is illustrated by the preparation and identification of typical compounds. Three lectures and one laboratory period each week.

Prerequisite: Chemistry 11-12.

33. QUANTITATIVE ANALYSIS

4 hours

A study of the theoretical principles upon which analytical methods are based. Included is a survey of the field of analytical chemistry and a detailed investigation of the standard methods. Volumetric and gravimetric experiments are carried out in the laboratory. Three lectures and one laboratory period per week.

Prerequisite: Chemistry 11-12.

34. INSTRUMENTAL METHODS OF ANALYSIS

4 hours

A study of the principles of chemistry underlying the use of instruments in analysis and a survey of the field. The laboratory work consists of analysis carried out with representative instruments. Three lectures and one laboratory period per week.

Prerequisite: Chemistry 33.

36. ELEMENTARY PHYSICAL CHEMISTRY

4 hours

A course intended primarily for students who lack the mathematical preparation for the more extensive course, Chemistry 45-46. The principles of physical chemistry are treated from a descriptive viewpoint with emphasis on solutions, colloids, and physical structure. This course may not be counted toward a major in chemistry. Three lectures and one laboratory period each week.

Prerequisites: Chemistry 11-12 and 33, and Physics 21-22, or 24-25-26.

37. BIOCHEMISTRY

4 hours

A study of the physical and chemical properties of carbohydrates, fats, proteins, nucleic acids, and enzymes. The chemical nature of enzymes, DNA and RNA are stressed. In the laboratory, both the qualitative and quantitative aspects of the above substances are studied. Three lectures, one laboratory period per week.

Prerequisite: Chemistry 31-32.

39. ORGANIC ANALYSIS

2 hours

A study of the characterization of organic compounds through elementary analysis, functional-group reactions, and derivatives. The lecture periods are devoted to a study of classical examples of analysis from chemical literature. One lecture and one laboratory period each week.

Prerequisites: Chemistry 31-32.

42. ADVANCED ORGANIC CHEMISTRY

3 hours

A continuation of organic chemistry in which structures properties, and reaction mechanisms of organic compounds are more thoroughly studied. Three lectures per week.

Prerequisite: Chemistry 31-32.

44. ADVANCED INORGANIC CHEMISTRY

3 hours

A continuation in the area of inorganic chemistry. This course includes a study of the electron structure of the atom, nuclear structure and its effect on the electrons, molecular structure, and specific advanced areas such as photo-chemistry, astro chemistry, and radioactivity. Three lectures per week.

Prerequisite: Chemistry 11-12.

45-46. PHYSICAL CHEMISTRY

8 hours

A fundamental course based on the principles of physical chemistry. The role of energy in chemical reactions is treated both from the descriptive and the analytical viewpoints. Three lectures and one laboratory period each week.

Prerequisites: Chemistry 11-12 and 33, Mathematics 11, 15, 25, 26 and Physics 21-22, or 24-25-26.

**48. RESEARCH IN
CHEMISTRY***2 hours*

Early in the first semester, topics for research problems are chosen. Throughout the year, library and laboratory research is pursued. Progress reports are made and discussed.

Prerequisites: A reading knowledge of German.

**51. HONORS
SEMINAR IN
CHEMISTRY***2 hours*

An alternate course for Chemistry 48, open to students who have made a B average in the chemistry courses of the junior year.

Prerequisites: A reading knowledge of German.

**55. INDEPENDENT
STUDY***1-4 hours***The Department
of Communications
and Theatre Arts**

The Department of Communications and Theatre Arts has as its aim the following goals: 1. to instill an understanding and appreciation of oral rhetoric and its function in a liberal education; 2. to develop the student's resources, ability, and facility for the spoken communication of thought and emotion; 3. to prepare students for graduate study in speech; 4. to foster an appreciation of theatre in our culture.

**DEPARTMENTAL
REQUIREMENTS**

1. Speech 15 is a *prerequisite* for all upper-level courses.

2. The requirements for a *major* sequence in speech are twenty-four hours in upper-level courses so distributed as to include 9 hours in General Survey, 9 hours in Public Address and 6 hours in Theatre. The major in speech is further required to show credit on the lower level in Speech 23 and 24. The requirements for a *minor* in speech are any twelve hours in upper-level courses. The department urges those who intend solely to minor in speech to select courses designed to complement their major programs study.

3. 12 hours of a foreign language for those who wish a B.A. in Communications and Theatre Arts.

4. No language is required for those students who wish a Bachelor of Communications and Theatre Arts. However, complementary courses may be taken in English, sociology, psychology and political science at the recommendation of the department.

**SUGGESTED
PROGRAM**

1. Students planning to major in Communications and Theatre Arts will take: Core 1-2; Speech 15; Sociology 21; Political Science 21-22; Psychology 10.

2. Prerequisites and electives to be taken in the sophomore year include: Speech 23, 24; a foreign language, or other suitable courses.

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

COURSES IN SPEECH

15. FUNDAMENTALS OF SPEECH

2 hours

The basic course for all students. A study of the types and modes of public address. Practice in speech preparation and presentation. The student delivers between five and eight speeches during the semester.

16. PHYSICAL BASES OF SPEECH

2 hours

Emphasis placed on achieving acceptable and pleasing voice and articulation. Content shall include: physical bases of speech, group reading, individual work, drills and exercises.

23. FORENSIC LABORATORY

1 hour

Applied practice in argumentation. Practice in formal and contest debating. Required of all speech majors.

24. RADIO AND THEATRE LABORATORY

1 hour

Applied practice in theatre. Participation in all phases of theatre activity and performance. Required of all speech majors.

30. ADVANCED SPEECH

2 hours

Application in composition and delivery of the principles underlying all forms of speech. Practice in speaking on subjects of current interest and the student's choice.

31. GROUP DISCUSSION

3 hours

The content and methodology of participation and leadership in group problem-solving activities.

32. PLAY PRODUCTION

3 hours

A study and application of the technical aspects of play production as they relate to the theatre. Practice in making a prompt book, stage lighting, scene design, set construction, and costuming. Participation in student productions is required.

34. ORAL INTERPRETATION OF LITERATURE

3 hours

The development of the student's abilities in reading aloud through exercises in the analysis and communication of the logical content of the printed page. Special attention will be given to a study of literature, prose and poetry, as they affect the understanding and performance of the oral interpreter.

35. ORAL INTERPRETATION OF THE MODERN DRAMA

3 hours

A study of the forms and content of the modern drama (Ibsen to the present day) as they affect the understanding and performance of the oral interpreter.

36. THEATRE HISTORY I

3 hours

A study of theatre practices and development from the Greeks to 1500. Special attention placed upon the emergence of drama as a distinct artistic form.

37. THEATRE HISTORY II

3 hours

A continuation of Speech 36 from 1500 to the twentieth century.

38. ACTING

3 hours

A basic course for the beginning actor. Emphasis placed on body movement, use of the voice, stage directions, characterization, dramatization, emotional recall and vocal interpretation of the play script. The student will present scenes and short acts in class for critical purposes. Opportunity for participation in college productions.

40. PERSUASION

3 hours

Critical evaluation of the major principles and techniques of persuasion as they relate to public address and informal discussion.

41-42. SHAKESPEARE

6 hours

A critical study of Shakespeare's life and works. The first semester includes the author's works to approximately 1600; the second semester, his later writings.

43. ELEMENTS OF SPEECH IMPROVEMENT

3 hours

Diagnosing simple speech defects and disorders, nasality, lispings, omissions, additions, substitutions, inversions. Theory of improving simple defects and disorders.

45. BASIC RADIO AND TELEVISION THEORY

3 hours

Study of, and practical work in, the presentation of radio programming. Opportunity for visiting television stations offered. Special emphasis placed on the various aspects of this communication form: programming, script-preparation, dramatic presentation, news, public events, and floor work. Required preparation of short, tape-recorded programs.

46. THE DRAMA

3 hours

A survey of the chief trends in English and American drama from the beginnings to the present, with emphasis on the reading of representative plays exclusive of Shakespeare's.

51. HONORS SEMINAR

3 hours

55. INDEPENDENT STUDY

1-3 hours

Computer Science

Computer Science is concerned with the representation, storage, manipulation, retrieval and presentation of information. It deals with problems of designing the machines that perform these operations, plus implementing the means of communication between machines and between man and machine. The theoretical foundation of Computer Science overlaps other fields such as pure and applied mathematics, numerical analysis, philosophy, linguistics, psychology, social sciences, business administration and biology.

Laboratory fees: C.S. 10, 22, 24, 33, \$10.00 each.

COURSES IN COMPUTER SCIENCE

10. INTRODUCTION TO PROGRAMMING FOR DIGITAL COMPUTERS

3 hours

Programming of digital computers in a problem-oriented language (FORTRAN). Problems will be selected from the areas of numerical and non-numerical applications. The course is intended to prepare the student to use the computer in the physical and non-physical sciences.

22. INTRODUCTION TO ALGORITHMIC PROCESSING — COMMERCIAL

3 hours

Introduction to the intuitive notion of an algorithm; representation of algorithms in narrative form as flow charts and as computer programs; a general structure of computers; computer experience using a procedure-oriented language in programming algorithms such as those used in general data processing applications.

Prerequisite: CS 10.

24. INTRODUCTION TO ALGORITHMIC PROCESSING — SCIENTIFIC

3 hours

Introduction to the intuitive notion of an algorithm; representation of algorithms in narrative form as flow charts and as computer programs; a general structure of computers; computer experience using a procedure-oriented language in programming algorithms such as those used in elementary numerical calculations; definition and use of functions, subroutines and iterative procedures.

Prerequisite: CS 10.

31. LOGIC AND FINITE AUTOMATA

3 hours

Examples of informal axiomatic theories and their interpretations, use, or propositional calculus. Discussion of Turing machines, Post systems, regular expressions, and their relation to finite automata.

Prerequisite: CS 10.

33. PROGRAMMING LANGUAGES

3 hours

Syntax and semantics of several classes of programming languages (i.e. FORTRAN, COBOL, ALGOL, LISP, PL-1). Students are expected to write, debug, and run programs in several of the major languages discussed.

Prerequisite: CS 22 or 24.

34. COMPUTING AND PROGRAMMING SYSTEMS

3 hours

Computer organization as it affects programming. Number and symbol representation codes. Error detecting and correcting codes. Functional characteristics of the major units of a digital computer. Sequential and random access storage systems. Input-output channels, buffering, interrupt handling.

Prerequisite: CS 22 or 24.

39. NUMERICAL ANALYSIS (MATH 39)

3 hours

Finite differences, numerical differentiation, integration, solution of equations and differential equations. Special reference to the use of digital computers.

Prerequisite: CS 10.

52. APPLICATION DATA PROCESSING TO ACCOUNTING AND BUSINESS RECORDS (Acct. 52)

3 hours

Deals with fundamental concepts involved in converting a hand written and/or mechanical system of business records to either punch card or tape type data processing equipment. The course also includes the conversion period, the expansion and updating period, and the problems related to these normal steps in the complete development of a data processing system for business enterprises.

Core Curriculum

The College has introduced extensive changes in the required course system of general education. Such courses as religion, philosophy, theology and numerous other subjects, once required of all students, have been replaced by a Core Curriculum Program. This new approach to general education treats each subject in a historical framework, examining the problems of each period studied. The essence of the approach is to create in the student a solid grounding in communications, social responsibility, and personal awareness. The Core Program involves an interrelationship of academic material over a four year experience. The Core Curriculum, which will constantly change to meet new problems, is constructed as follows:

CORE I. THE CONTEMPORARY SITUATION

6 hours

A course of reading, writing, and discussion designed to give the student an awareness of the present state of man with his crisis as well as achievements. It aims at student involvement in his world through the cultivation of the human tools of thought and communication. Required of all freshmen. Two two-hour lecture periods and two discussion periods per week.

CORE II. THE MODERN WORLD

6 hours

A continuation of Core I. It deals with the larger movements of civilization between the seventeenth century and the second world war in somewhat chronological order, with emphasis on contemporary rele-

vance. Required of all freshmen. Two two-hour lecture periods and two discussion periods per week.

CORE III.
WESTERN
HERITAGE:
HEBREW AND
GRECO-ROMAN
HERITAGE

6 hours

This course will present Greco-Roman and Semitic contributions to Western cultures, stressing significant intellectual, artistic, religious, economic, social and political aspects of this period.

CORE IV.
WESTERN
HERITAGE:
MIDDLE AGES
AND EARLY
MODERN
HERITAGE

6 hours

A continuation of Core III. It deals with the overflow of influence upon our present culture. The emerging Europe of the sixth to tenth centuries, the High Middle Ages and the emerging modern world of the Renaissance and the Reformation will be covered.

CORE V. - VI.
THE
FOUNDATIONS
OF SCIENCE

6 hours

This course will study scientific developments of several scientific disciplines and would attempt to inform students on the why and how of scientific advances. As opposed to the present program of "cookery" courses of test tubes and experiments, Core science would aim at giving students not majoring in science a more general outlook.

CORE VII. - VIII.
NON-WESTERN
STUDIES

6 hours

"Non-Western Studies" involves the student in the examination of civilization other than his own. By the study of another culture, the student can gain an insight into the institutions and thought of his own Western world.

CORE IX.
CHRISTIAN
ANTHROPOLOGY

3 hours

This course is an attempt to bring the entire curriculum into relation with the Catholic faith. This semester will study and discuss the main philosophical and theological principals of a Christian view of a man in his world and before God.

CORE X.
CHRISTIANITY
AND THE HUMAN
SITUATION

6 hours

"Christianity and the Human Situation" considers many contemporary problems in relation to the perspective of the Christian faith. Christian responses to such matters as "The Playboy Ethic", "Organ Transplants", and the "Situation Ethics" will be studied.

INTERTERM

3 hours

Every student is required to participate in one Interterm Colloquium in his major before graduation. This colloquium should be taken preferably during the junior or senior year. This requirement becomes effective with the 1969 freshman class.

Department of Economics

The program in economics has the following objectives: 1. To enable the student to gain a basic understanding of our economic system, to provide a field of concentration for those students who wish to pursue economics as their major study, and to offer those courses which are appropriately a part of the preparation for the study of business, government, journalism, and law. 2. To provide the requisite training for the teaching of economics in high schools, for the pursuit of graduate courses in economics, and for entrance into graduate schools of business.

DEPARTMENTAL REQUIREMENTS

1. Economics 21-22 are *prerequisites* for all upper-level courses. Students majoring in economics are likewise required to take Accounting 21-22.

2. The requirements for a *major* sequence in economics are twenty-four hours in upper-level courses, including Economics 31, 32, 38 and 49. The requirements for a *minor* sequence are any twelve hours in upper-level courses.

3. Students expecting to pursue graduate work in economics are advised to take Mathematics 12, 15, 25, 26 and four semesters of credit in French or German.

SUGGESTED PROGRAM

1. In the freshman year, students majoring in Economics will take: Core 1-2; Math 12 or 15; Economics 21-22; Pol. Sci. 21-22.

2. Requirements to be taken in the sophomore year are: Core 3-4; Accounting 21-22; Math 25-26; foreign language.

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

COURSES IN ECONOMICS

21. PRINCIPLES OF ECONOMICS: MACROECONOMICS

3 hours

A study of the principles and problems connected with the level and fluctuation of national income and employment and the economics of growth.

22. PRINCIPLES OF ECONOMICS: MICROECONOMICS

3 hours

A study of the principles and problems connected with the production, exchange, and consumption of economic goods, and the principles of international trade.

31. ADVANCED INCOME ANALYSIS

3 hours

An intensive study of national income accounting and the theory of national income determination with special emphasis on the policy implications of the analysis.

32. ADVANCED PRICE ANALYSIS

3 hours

An intensive study of the theory of price in both the output and input markets with special emphasis on the application of modern tools of analysis to concrete business and public problems.

35. MONEY AND BANKING

3 hours

A study of the theory of money, monetary standards, banking principles, and monetary theory with special emphasis on the financial institutions of the United States.

36. COMPARATIVE ECONOMIC SYSTEMS

3 hours

A study of the economic systems existing in the contemporary world with special emphasis on the comparison of these systems with the mixed enterprise system of the United States.

37. GOVERNMENT AND BUSINESS (BUS. AD. 37)

3 hours

A study of the foundations for government intervention in business and the activities in which it currently engages in relation to business, with emphasis on federal legislation as this applies to social security, labor relations, and the maintenance of competition.

38. ELEMENTARY STATISTICS (BUS. AD. 38)

3 hours

An introduction to the fundamentals of modern statistics. Topics to be discussed include the following: descriptive statistics, frequency distributions, measures of location, measures of variation, probability and decision-making, problems of estimation and tests of hypotheses, linear regression, correlation, and time series analysis. Emphasis is on the interpretation and use of statistical analysis in business and economic problems.

No prerequisite.

40. PUBLIC FINANCE (POL. SCI. 40)

3 hours

A study of the principles of finance in government. Topics to be considered will include public revenues and expenditures, taxation, public debt, governmental budgeting, and fiscal policy.

42. AMERICAN ECONOMIC HISTORY (His. 40)

3 hours

43. LABOR PROBLEMS AND LEGISLATION

3 hours

A study of the issues involved in labor economics, with emphasis on the role that employers, unions, and the government may play in their solution. The course concentrates on the size and composition of the labor force, the history of the labor movement, the issues involved in collective bargaining, wages and hours, unemployment, and social security.

45. QUANTITATIVE
ANALYSIS I

A survey of the mathematical formulation of the theories of consumer choice, production theory, market structures, growth models and programming techniques.

Prerequisites: economics 31-32, mathematics 35 and 44.

46. QUANTITATIVE
ANALYSIS II

An introduction to the statistical techniques by which economic theories are brought into contact with empirical data for the purpose of verification and prediction.

Prerequisites: economics 45 and mathematics 38.

47. ECONOMIC
GROWTH

3 hours

An examination of the process of growth with particular emphasis on the problems and alternatives confronting the underdeveloped countries.

48. INTERNATIONAL
TRADE

3 hours

A study of the underlying basis of international trade, balance of payments adjustments, and the methods of international payments, together with an examination of the foreign trade position, the tariff policies, and the commercial agreements of the United States.

49. SOCIO-
ECONOMIC
PROBLEMS AND
CHRISTIAN ETHICS
(THEO. 49)

3 hours

This course aims to set forth the social teaching of the Church, with emphasis on the social encyclicals and other recent papal pronouncements and to apply this teaching to selected current socioeconomic problems.

50. SEMINAR

3 hours

The seminar will be directed to a discussion of the development of economic thought and current issues in economics which are not covered in the content of other courses.

51. HONORS
SEMINAR IN
ECONOMICS

3 hours

55. INDEPENDENT
STUDY

1-3 hours

**ECONOMICS-
MATHEMATICS
MAJOR**

The program in mathematics-economics has the following objectives: 1) To develop in the student an understanding of economic theory and its mathematical formulations. 2) To provide the requisite training for pursuit of graduate courses in economics and for specialized fields of research and business.

MAJOR REQUIREMENTS

1) Economics 21 and 22 and mathematics 12, 15, 25 and 26 are lower level requirements for all majors in this combined program. Economics 21-22 are prerequisites for all upper level courses in economics, and mathematics 12, 15, 25 and 26 are prerequisites for all upper level courses in mathematics.

2) The combined program is a thirty-six hour program, eighteen of the hours required from the field of economics and eighteen from the field of mathematics. The eighteen hours in economics must include economics 31, 32, 45, and 46; the eighteen hours in mathematics must include mathematics 35, 36, 38, and 44.

3) One of the upper level Theology requirements is specified as Theology 49.

SUGGESTED PROGRAM

1. In the freshman year, students majoring in Economics will take: Core 1-2; Math 12 or 15; Economics 21-22; Pol. Sci. 21-22.

2. Requirements to be taken in the sophomore year are: Core 3-4; Accounting 21-22; Math 25-26; foreign language.

3. On the upper level, students should confer with their faculty advisors prior to scheduling their junior and senior courses. During the junior year, the student should, however, take mathematics 35 and 44, since these courses are prerequisites for economics 45 and 46. Other recommended courses in mathematics are mathematics 39 and 46. The student should bear in mind that ordinarily odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

Department of Education

The Department of Education is designed to offer the student a knowledge of education in its theoretical and practical phases. Courses in the history and philosophy of education present the student the means of employing the best of mankind's thought in the betterment of today's schools. Other courses are offered with the express purpose of acquainting the student with the professional skills and competencies that will be needed in the exercise of teaching duties.

State requirements for certificates vary, but in general all states call for these basic requirements: 1. a four-year curriculum leading to the Bachelor's degree; 2. academic credit in major and minor areas; or, in the case of elementary teachers, adherence to a specified curriculum; 3. professional courses in education; 4. recommendation by the license advisor.

DEPARTMENTAL REQUIREMENTS

At St. Joseph's College only students of definite professional promise are admitted into the Teacher Education Program. Students wishing to become certified professional teachers at the elementary or secondary level should apply the first semester of their junior year. Application forms can be obtained from the education office. Students are expected

to have at least a 2.25 grade average, a healthy interest in teaching and the personal and social qualities basic to sound teaching.

Students have an option of following programs leading to professional certification in elementary or secondary education. These programs are all authorized by the State of Indiana in accordance with the provision of Bulletin 400, Division of Teacher Education and Certification, Indiana State Department of Public Instruction. More importantly, they are all approved by the National Council for Accreditation of Teacher Education (NCATE). This assures the student that he is pursuing a program that will qualify him for certification in most states. Students should raise questions about specific state license requirements with the institutional license advisor.

At the elementary level the department offers two programs—a bachelor of science degree in elementary education and a bachelor of science degree in elementary education with a college major in theology.

At the secondary level teacher education programs are offered in the following majors: biology; English; mathematics; music; physical education and health; social studies and speech. Minors are offered in these areas as well as in chemistry, physics, Latin, French, Spanish, German and psychology.

A student who is preparing to teach in high school should major in the subject area in which he intends to teach. He will be advised in his major by his appropriate Teacher Education Committee representative. Elementary education students are advised by members of the education department. Students can obtain recommended programs for all the majors and minors from the education office. They should study these with care for they are designed to meet college requirements, and professional education requirements. *In most cases these requirements cannot be changed.* If a student is in doubt he should be advised by a member of the education department.

Student teaching assignments are made in cooperating public and independent schools in the state. Application for student teaching should be done the semester prior to student teaching. Placement is made by the Director of Student Teaching after approval by the Teacher Education Committee.

To qualify for student teaching a student must normally

- 1) Have a 2.25 grade average.
- 2) Have been in the teacher education program for one semester doing at least C work.
- 3) Have passed at least three of the following: Education 30, 31, 32, 33.
- 4) Have completed the required number of laboratory experiences

COURSES IN EDUCATION

15. PROFESSIONAL LABORATORY EXPERIENCE: OBSERVATION

0 hours

Ten to fourteen hours of observation in actual classroom settings. The emphasis will be on the growth and development area. Required of all first semester sophomores in the teacher training program.

16. PROFESSIONAL LABORATORY EXPERIENCE: OBSERVATION

0 hours

Ten to fourteen hours of observation in actual classroom settings. The emphasis will be on the psychology of learning. Required of all second semester sophomores in the teacher training program.

17. PROFESSIONAL LABORATORY EXPERIENCE: OBSERVATION

0 hours

Ten to fourteen hours of observation in actual classroom settings. The emphasis will be on classroom planning, methodology and curriculum materials. Required of all first semester juniors in the teacher training program.

18. PROFESSIONAL LABORATORY EXPERIENCE: OBSERVATION

0 hours

Ten to fourteen hours of observation in actual classroom settings. The emphasis will be on evaluation in the teaching process. Required of all second semester juniors in the teacher training program.

30. HISTORY AND PRINCIPLES OF EDUCATION

2 hours

An exposition of the development of school systems and educational practices in the United States from the Colonial Period to the present. Class work and reading assignments will include historical material to illustrate the principles involved in the rise of new movements and practices in education. Catholic principles of education are stressed throughout the course.

31. HUMAN GROWTH AND DEVELOPMENT

2 hours

A study of the psychological characteristics of child and adolescent development with special attention given to physical, emotional, social, intellectual and religious behavior. Development is viewed genetically with emphasis placed on the normality of behavior characterizing the various stages of childhood and adolescence.

Prerequisite: Phil 21.

32. EDUCATIONAL PSYCHOLOGY I: PSYCHOLOGY OF LEARNING

2 hours

The course in educational psychology aims to give the student an understanding of the characteristics of human behavior and the factors which affect its development. Emphasis is placed on those basic facts and principles that are generally accepted by today's educators and that can be

integrated into the student's own experience and made to function in his educational career.

Prerequisite: Philosophy 21.

33. EDUCATIONAL PSYCHOLOGY II: TESTS AND MEASUREMENTS

2 hours

The following topics are studied in this course: history of the testing movement; principles of test construction; qualities of and evaluation of teacher and standardized tests; a study of the various types of individual and group tests; basic statistical concepts, the application of tests to educational and psychological problems, and the evaluation, interpretation, and application of test results; practice in taking and giving tests in actual educational and psychological situations.

34. ELEMENTARY STATISTICS

3 hours

An introduction to the fundamentals of modern statistics. Topics to be considered include the following: descriptive statistics, frequency distributions, measures of location, measures of variation, probability and decision-making, problems of estimation and tests of hypotheses, linear regression, correlation, and time series analysis. Emphasis is on the interpretation and use of statistical analysis in the social sciences.

Note: Students who show credit in Math 13 must take Math. 38 instead of Educ. 34.

35. SOCIOLOGY OF EDUCATION

3 hours

A study of the school as a social system as well as a basic institution in society. Emphasis will be placed on the sociological dimension of learning through reviews of contemporary social science research. (Same as Sociology 35).

36. ELEMENTARY SCHOOL CURRICULUM

3 hours

A general introduction to the principles and trends in the various areas of the curriculum in the light of modern concepts of child development.

37. DEVELOPMENTAL READING

2 hours

An analysis of the reading problems of high school and college students. Material and procedures for identifying the reading attainments and needs of the individual. Basic principles and techniques for improving reading skills.

38. COUNSELING AND GUIDANCE

2 hours

Principles and techniques of personal counseling and of educational and vocational guidance of high school students. Attention is given to the use of appropriate tests, rating scales, interview techniques, organizing of the guidance program, placement and follow-up services in the high school.

40. CHILDREN'S LITERATURE

2 hours

A survey of traditional and contemporary literature for children from kindergarten through junior high school. Emphasis is placed on types of literature, methods of use, authors, and illustrators.

41. PROFESSIONAL LABORATORY EXPERIENCES

1 hour

Laboratory and seminar course involving guided observation and participation in the activities of the elementary school.

44. GENERAL METHODS

1 hour

This course deals with general principles of effective teaching in secondary schools. Topics for discussion include: selection and arrangement of subject matter; motivation and direction of learning activities; discipline; questioning, assignment and review procedure; problem-project teaching and socialized recitation; development of appreciation, attitudes and ideals.

Note: may be taken only in conjunction with Educ. 46.

45. STUDENT TEACHING: ELEMENTARY SCHOOL

8 hours

Semester's program of observation and teaching in an approved elementary school under the direction of an elementary supervising teacher and the Director of Student Teaching of St. Joseph's College. Lesson plans and conferences are requirements.

Prerequisite: Departmental approval.

46. STUDENT TEACHING: HIGH SCHOOL

7-8 hours

This course is required of all students working for a high school certificate. Students are required to observe classes in the local schools for thirty to thirty-five periods, and to record the results of their observation. Each student is also required to plan and teach at least ninety periods under the direction of an approved supervising teacher. Individual conferences and group meetings are held weekly with the Director of Student Teaching.

Prerequisite: Departmental approval.

47. PHILOSOPHY OF EDUCATION

3 hours

A study of the philosophical principles underlying education as a social institution. The course aims to provide the student with norms for estimating the relative value of educational theories, practices, and agencies which influence the work of the schools.

48.1. LANGUAGE ARTS IN THE ELEMENTARY SCHOOL I

2 hours

This course covers the program of reading at the elementary level. It stresses the place and importance of reading in the elementary curriculum, reading-readiness, methods of approach, silent and oral reading, evaluation, and remedial measures.

48.2. LANGUAGE
ARTS IN THE
ELEMENTARY
SCHOOL II

2 hours

This course stresses the child's expressional abilities—written and oral expression—and includes grammar, spelling and handwriting. It considers instructional methods, standards of achievement, and corrective measures.

48.3. SOCIAL
STUDIES AND
NATURAL SCIENCES
IN THE
ELEMENTARY
SCHOOL

3 hours

A study of the place of the natural sciences and the social studies in the elementary curriculum; the classroom methods, techniques and materials in these areas; measurement of the results of teaching; curriculum content.

48.5. METHODS IN
ELEMENTARY
ARITHMETIC

2 hours

Techniques and methods of teaching arithmetic in the elementary school; individual diagnosis; remedial teaching and evaluation.

Prerequisite: Math. 1, 11, 12.

48.7 LANGUAGE
ARTS IN THE
ELEMENTARY
SCHOOL III
(SPEECH 43.)

3 hours

This course continues the investigation of the child's training in oral expression. The teacher's role in the development of correct speech is stressed. Emphasis will be upon the diagnosis of simple speech defects and disorders, nasality, lispings, omissions, additions, substitutions, inversions. Theory of improving simple defects and disorders. (Same as Speech 43.)

49. SPECIAL
METHODS: HIGH
SCHOOL

2 hours

Professional academic courses are organized in each of the teaching fields described by the teaching majors. These courses deal with the particular aims, materials, and methods of the respective subjects as presented in the modern high school. Credit in Special Methods courses applies to the requirements in professional education, but may not be counted toward a major or a minor in the academic department to which the subject is related.

49LA. THE
TEACHING OF
LANGUAGE ARTS
IN HIGH SCHOOL

2 hours

For prospective teachers of English and Speech.

49SS. THE
TEACHING OF
SOCIAL STUDIES IN
HIGH SCHOOL

2 hours

For prospective teachers of history, economics, political science and sociology.

49Sc. THE
TEACHING OF
MATHEMATICS AND
NATURAL SCIENCE

2 hours

For prospective teachers of mathematics, general science and physics.

49PE. THE
TEACHING OF
HEALTH AND
PHYSICAL
EDUCATION

2 hours

For prospective teachers of health and physical education.

49Mu. THE
TEACHING OF
MUSIC IN HIGH
SCHOOL

2 hours

For prospective teachers of music.

51. HONORS
SEMINAR IN
EDUCATION

3 hours

55. INDEPENDENT
STUDY

1-3 hours

**Pre-Engineering
Five-Year
Engineering Programs**

The following programs enable students to combine a liberal arts course at Saint Joseph's College with education in Engineering at a University or Technical School. Under this plan, the student attends Saint Joseph's for three years* and then transfers to the Engineering School for the completion of advanced courses in a particular field of engineering. Formal agreements on this 3-2 program have been completed with the following: **University of Detroit; Marquette University; New York University; Purdue University; Rose Polytechnic Institute; Saint Louis University (civil and industrial engineering); University of Illinois; University of Notre Dame;** however, students may transfer to any accredited engineering college.

Upon the successful completion of the requirements from Saint Joseph's, the candidate will receive the Bachelor of Arts degree, and, upon the successful completion of the five-year course, the Bachelor of Science in Engineering from the school to which he has transferred. The B.A. degree for Aeronautical, Astronautical, Civil, Electrical, Mechanical, Metallurgical Engineering, and for Meteorology and Oceanography, is given in Mathematics-Physics; for Agriculture, in Biology-Chemistry; for Chemical Engineering, in Chemistry; for Industrial Engineering, in Economics.

Students in the 3-2 program are accepted at these engineering schools only on recommendation of the Dean's Committee on Engineering. They must submit a formal application for transfer to an engineering school in the fall semester of their junior year.

The 3-2 Engineering student is subject to all graduation requirements. (cf. Note 3 of Departmental Requirements in Department of Mathematics.)

*Some programs may require a summer session at the engineering college.

Approved Sequence of Courses for the First Three Years
of the

1. Aeronautical and Astronautical Engineering Program, 2. Mechanical Engineering Program, 3. Civil Engineering Program, 4. Electrical Engineering Program, 5. Meteorology and Oceanography.

**Semester
Hours**

FRESHMAN YEAR

Core 1, 2	6	6	The Contemporary World, The Modern World
Mathematics 12	3		Introduction to Modern Algebra
Mathematics 15	3		Trigonometry and Analytic Geometry
Mathematics 25		3	Calculus I
Physics 24		4	Mechanics, Thermometry
Computer 10, 24	3	3	Digital Computer Programming, Scientific Algorithmic Processing
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SOPHOMORE YEAR

Core 3, 4	6	6	Western Heritage: Hebrew and Greco-Roman Heritage, Western Heritage: Middle Ages and Early Modern Heritage
Chemistry 11-12	4	4	General Chem., Qualitative Analysis
Mathematics 26	3		Calculus II
Physics 25, 26	4	4	Thermodynamics, Electricity & Atomic Structure
Elective		3	(1)
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17 17			

JUNIOR YEAR

Core 5, 6	3	3	The Foundations of Science, Non-western Studies
Mathematics 35, 45 .	3	3	Calculus III, Advanced Calculus: Vector Analysis
Mathematics 36		3	Differential Equations
Electives	3	3	Electives (2)
Physics 41-42	3	3	Modern Physics
Physics 43, 44	3	3	Statics, Dynamics
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- (1) Students planning to attend Illinois Institute of Technology or Purdue choose Economics 21-22. Industrial Engineering students planning to attend St. Louis University also choose Economics 21-22.
- (2) Civil Engineering students take Geology 11, Physical Geology; Electrical Engineering students take Physics 31, Electric Circuits. Civil Engineering students planning to attend St. Louis University also take Economics 21, Principles of Economics (I). Industrial Engineering students planning to attend the same institution, see note 1. Students planning to attend New York University in Aeronautics and Astronautics take Mathematics 44.

Approved Sequence of Courses for the First Three years
of A Combined Program in Agriculture

	Semester		Hours	
FRESHMAN YEAR	Core 1, 2	6	6	The Contemporary World, The Modern World
	Biology 11-12	4	4	Introduction to Experimental Biology
	Mathematics 12, 15 . .	3	3	Introduction to Modern Algebra, Trig. and Analytic Geometry
	Elective	3	3	
		<hr/> 16 16		
SOPHOMORE YEAR	Core 3, 4	6	6	Western Heritage: Hebrew and Greco-Roman Heritage, Western Heritage: Middle Ages and Early Modern Heritage.
	Chemistry 11, 12 . .	4	4	General Chem, Inorganic Chem and Qualitative Analysis.
	Mathematics 25-26 . .	3	3	Calculus I, II
	Physics 21-22	4	4	College Physics
		<hr/> 17 17		
JUNIOR YEAR	Core 5, 6	3	3	The Foundations of Science, Non-Western Studies
	Biology 43, 44	4	4	Microbiology
	Chemistry 31-32	4	4	Organic Chemistry
	Economics 21		3	Principles of Economics
	Geology 11	4		Physical Geology
	Electives		3	
		<hr/> 15 17		

Approved Sequence of Courses for the First Three years of

1. Chemical Engineering Program
2. Metallurgical Engineering Program

Semester
Hours

FRESHMAN YEAR

Core 1, 2	6	6	The Contemporary World, The Modern World
Chemistry 11-12	4	4	General Chem; Elementary Analysis
Mathematics 12	3		Introduction to Modern Algebra
Mathematics 15	3		Trig & Analytic Geometry
Mathematics 25		3	Calculus I
Physics 24		4	Mechanics, Thermometry
		<hr/>	
		16	17

SOPHOMORE YEAR

Core 3, 4	6	6	Western Heritage: Hebrew and Greco-Roman Heritage, Western Heritage: Middle Ages and Early Modern Heritage
Chemistry 33	4		Quantitative Analysis
Mathematics 26	3		Calculus II
Physics 25, 26	4	4	Thermodynamics; Electricity and Atomic Structure
Elective		6	
		<hr/>	
		17	16

JUNIOR YEAR

Core 5, 6	3	3	The Foundations of Science, Non-Western Studies
Chemistry 35		4	Elementary Physical Chem.
Mathematics 35	3		Calculus III
Physics 41-42	3	3	Modern Physics
Physics 43, 44	3	3	Statics, Dynamics
Elective	3	3	
		<hr/>	
		15	16

- (1) Students planning to attend New York University in Chemical Engineering take Chemistry 31-32 and Mathematics 36 instead of Chemistry 35. Those planning to attend there in Metallurgy take Physics 31 instead of Chemistry 35.
- (2) Students are to consult the Chairman of the Department of Chemistry before registering for their Junior Year.

Approved Sequence of Courses for the First Three Years of the
Industrial Engineering (and Operations Research) Program¹

	Semester		
	Hours		
FRESHMAN YEAR			
Core 1, 2	6	6	The Contemporary World, The Modern World
Business 21-22	3	3	Principles of Marketing, Principles of Management
Economics 21-22 . . .	3	3	Principles of Economics
Mathematics 12	3		Introduction to Modern Alg.
Mathematics 15	3		Trig & Analytic Geometry
Mathematics 25		3	Calculus I
Physics 24		4	Mechanics, Thermometry
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		18 19	
SOPHOMORE YEAR			
Core 3, 4	6	6	Western Heritage: Hebrew and Greco-Roman Heritage, Western Heritage: Middle ages and Early Modern Heritage
Accounting 21-22 . . .	3	3	Principles of Accounting
Mathematics 26	3		Calculus II
Physics, 25, 26	4	4	Thermodynamics; Electricity and Atomic Structure
Elective		3	
		<hr/>	
		16 16	
JUNIOR YEAR			
Core 5, 6	3	3	The Foundations of Science, Non-Western Studies
Accounting 42		3	Cost Accounting
Economics 49	3		Catholic Social Teaching
Mathematics 35, 36 . .	3	3	Calculus III, Differential Equations
Physics 41-42	3	3	Modern Physics
Physics 43, 44	3	3	Statics; Dynamics
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(1) Students planning to attend St. Louis University follow the program for civil engineers. Students planning to attend New York University take Physics 31 and Psychology 10.

Department of English

The aims of the Department of English are: 1. To teach the student to read with understanding, and to write and speak with correctness, with exactness, and with some artistry. 2. To develop a capacity for the enjoyment of literature, especially of the major English and American authors. 3. To cultivate what Newman calls "enlargement of mind," which embraces breadth and depth of view, critical judgment, and good taste. 4. To provide adequate preparation for graduate studies, for teaching in secondary schools, and for the study of journalism or law.

DEPARTMENTAL REQUIREMENTS

1. English 21, 22, and 23 are required of all English majors. The student is strongly urged to take these three courses in the freshman year.

2. The requirements for a major sequence in English are English 21, 22, 23, and twenty-four hours in courses numbered English 31 and above.

3. Furthermore, for graduation the student majoring in English must show twelve hours of credit in a foreign language. The Department urges that this language be German, especially if he plans to attend graduate school in English.

4. The Department's "Basic Reading List for English Majors" constitutes the minimal reading required through the several years of literary study. The freshman who plans the English major is expected to obtain his copy of this list promptly from the Department Chairman and to use it as a guide.

SUGGESTED PROGRAM

1. Freshmen majoring in English will take: Core 1-2; English 21, 22, 23; foreign language (e.g. German 1-2).

2. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

COURSES IN ENGLISH

10. LABORATORY IN JOURNALISM

3 hours

A study and practice of the fundamentals of gathering and writing news, editing news, newspaper layout and design, and managing the financial affairs of a newspaper. Tailored to the needs of the English-education major who may eventually become a high school newspaper or yearbook advisor, the course is designed to impart a practical and working knowledge of the newspaper itself and in its relation to the mass communication media.

20. RHETORIC AND COMPOSITION (Will not be offered after 1969-70)

3 hours

A study and practice of correct and effective writing.

21. THE LYRIC

3 hours

An introductory study of the lyric as a major mode of expression in poetry, prose, song, and the film. The material studied in the course is primarily modern.

22. THE NARRATIVE

3 hours

An introductory study of narrative techniques in the ballad, the tale, the short story, and the novel. The course deals largely with the short story and is modern in its emphasis.

23. THE DRAMA

3 hours

An introductory study of character and conflict. The course deals with the dramatic monologue in poetry; traces the development of major kinds of western drama; and includes emphasis on techniques of modern drama, such as realism, naturalism, expressionism, and the theatre of the absurd.

31. ENGLISH LANGUAGE AND LITERATURE BEFORE THE RENAISSANCE

3 hours

A brief study of the Old English and Middle English languages, with emphasis on epic and dramatic literature before 1500 and on writings of Chaucer.

32. MAJOR WRITERS OF THE RENAISSANCE

3 hours

A study of the major writers of the Renaissance in Europe from 1350 to 1650.

33. MAJOR WRITERS OF NEO-CLASSICISM

3 hours

A study of the major writers of the classic revival in European literature from 1650 to 1800.

34. MAJOR WRITERS OF THE NINETEENTH CENTURY

3 hours

A study of the major romantic writers in European literature and of the major Victorian writers in English literature.

35. MAJOR WRITERS OF THE TWENTIETH CENTURY

3 hours

A study of the major writers of the modern world.

36-37. AMERICAN LITERATURE

6 hours

A study of the major writers in America.

38. THE ROMANCE

3 hours

A study of the idealizing impulse in literature and its major forms: utopian literature, quest literature, fantasy, Gothic romance, and folk literature.

39. COMEDY

3 hours

A study of theories and types of comedy. The course is comparative in its emphasis and covers the time-span of western literature, including comic drama, comic fiction, and comedy in the film.

40. TRAGEDY

3 hours

A study of theories and types of tragedy. The course is comparative in its emphasis and covers the time-span of western literature, including tragic drama, tragic fiction, and tragedy in the film.

41. THE NOVEL

3 hours

A study of the novel as a major literary form.

42. SATIRE AND IRONY

3 hours

A study of theories and types of satire and irony: fabliau, beast fables, picaresque tales, mock-epics, burlesques, and travesties. The course emphasizes satire and irony as major and continuing artistic attitudes on the stage, in fiction, and in the film.

43. SPECIAL STUDIES IN POETRY

3 hours

A course of study in a significant kind of poetic expression or type.

44. THE CINEMA

3 hours

A study of the film as a major contemporary art form.

45. LITERARY CRITICISM

3 hours

A study of the nature, basic values, and techniques of literature as interpreted by various critics. Insight into principles, criteria, and methods is deepened through selected readings.

46. LINGUISTICS AND GRAMMAR

3 hours

A study of the nature and history of language as particularly exemplified by English. The course offers special study in etymologies, meaning, and the units of English grammar from the morpheme to the sentence. Emphasis is on contemporary approaches and new trends with some attention given to conventional grammar.

47. ADVANCED WRITING

3 hours

Advanced study of expository and persuasive or creative writing.

48. MAJOR WRITERS

3 hours

A course of study in the major works of a significant world author.

49. SPECIAL STUDIES IN LITERATURE

3 hours

A course of study in a major literary topic.

51. HONORS SEMINAR IN ENGLISH

3 hours

55. INDEPENDENT STUDY

1-3 hours

61-62. ENGLISH HONORS

6 hours

Department of Geology

In addition to their contribution to general education the courses in geology are designed to prepare the student for entrance into graduate school or specific occupational fields. In this latter respect the courses are intended to prepare the student for a position with the United States Civil Service Commission, to enable him to work with the United States Geological Survey and State Geological Surveys, or to train him for employment in the petroleum or mining industries, or with the National Park Service, either in the field or in the laboratory.

Laboratory fees: Geology 11 and 12, each **\$5.00**. Geology 33, 34, 37, 41, 42, and 46, each **\$7.50**.

DEPARTMENTAL REQUIREMENTS

1. Geology 11-12 are *prerequisites* for all upper-level courses in geology.

2. The minimum requirements for a *major* sequence in geology are twenty-four hours in upper-level courses, including geology 43 and 44. A minimum of a four-hour summer field course is also required. It is further necessary that the student majoring in geology show credit in or give evidence of sufficient knowledge of physics 21-22, chemistry 11-12, and mathematics 12, 15. Mathematics 25-26 are strongly recommended for the major in geology. The requirements for a *minor* sequence are twelve hours in upper-level courses.

SUGGESTED PROGRAM

1. Students majoring in geology will take in their freshman year: Core 1-2; Chemistry 11-12; Geology 11-12; Math 11, 15.

2. Requirements and electives recommended in the sophomore year are the following: Geology 32, 33, 34; Mathematics 25, 26 or Physics 21-22.

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

COURSES IN GEOLOGY

11. PHYSICAL GEOLOGY

4 hours

This course introduces the student to the field of geology through a study of the following topics; rock weathering, mass wasting, sculpture of lands by streams, subsurface water, lakes and swamps, glaciation, erosion and deposition by the wind, marine erosion, volcanose, deformation of the earth's crust, earthquakes, metamorphism, land forms, the common rocks and minerals, topographic maps. Three lectures and one laboratory period each week.

12. HISTORICAL GEOLOGY

4 hours

A further introduction to the field of geology through a study of the following topics: earth history recorded in the rocks, the constant change of living things, the scale of time, the Precambrian, Paleozoic, Mesozoic, and Cenozoic world, fossils, geologic maps. Three lectures and one laboratory period each week.

Prerequisite: Geology 11.

20. WORLD GEOGRAPHY

3 hours

This course presents to the student the life and occupations of man as related to geographic conditions. The social, political, and industrial development of typical regions is studied in relation to such factors as land utilization, natural highways and boundaries, and distribution of natural resources.

32. GRAPHIC PROCEDURES IN GEOLOGY

2 hours

This course covers the elements of engineering drawing as applied to geologic problems. The first half of the semester is devoted to instruction in sketching, lettering, use of instruments, the construction of charts, maps, and geologic illustrations. The second half of the course covers the principles of orthographic projection and plane descriptive geometry as used in the solution of practical geologic problems. Two two-hour periods per week.

Prerequisite: Geology 12 and consent of Instructor.

33. MINERALOGY

4 hours

A course dealing with physical, chemical, descriptive, economic, and determinative mineralogy, and the fundamentals of crystallography. Two lectures and two laboratory periods each week.

Prerequisite: Chemistry 11, 12.

34. OPTICAL MINERALOGY

3 hours

Theory and practice of determining the optical properties of minerals with the aid of the petrographic microscope. One lecture and two laboratory periods per week.

Prerequisites: Geology 12, 33.

35. GEOMORPHOLOGY

3 hours

The study of the land forms produced by various geologic processes on the surface of the earth; the use of land forms in the interpretation of geologic history. Two lectures and one laboratory period each week.

Prerequisite: Geology 12.

36. GEOLOGIC FIELD METHODS

2 hours

This course treats the use of the plane table and alidade, Brunton compass, altimeter, and other instruments used in geologic field problems and mapping. Two two-hour laboratories each week.

Prerequisites: Geology 11 and 12.

37. PHOTOGEOLOGY*2 hours*

The course embraces the evaluation and depiction of geologic phenomena from aerial photographs. The primary emphasis is placed on the delineation of structural, petrologic, geomorphic and cultural features. Two laboratory periods per week.

Prerequisite: Geology 12, 43.

39. PETROLOGY*3 hours*

A study of the formation, occurrence, and characteristics of the common rocks together with their field identification. Two lectures and one laboratory period each week.

Prerequisite: Geology 33 and 34.

**41. INVERTEBRATE
PALEONTOLOGY***4 hours*

Morphology, classification, geological significance of fossils; special study of index fossils of North America. Three lectures and one laboratory period each week.

Prerequisite: Geology 12.

**43. STRUCTURAL
GEOLOGY***4 hours*

A study of the framework of the earth's crust; the deformation of the earth, its causes and effects. Three lectures and one laboratory period each week.

Prerequisites: Geology 12, and Mathematics 11, 15.

44. STRATIGRAPHY*4 hours*

Methods of description, classification, interpretation, and correlation of rock units. Laboratory exercises are designed to aid in understanding stratigraphic problems, paleoenvironments, and faunal and facies changes. Three lectures and one two-hour laboratory period each week.

Prerequisites: Geology 12, 34, 39, and 41.

**46. ECONOMIC
GEOLOGY***3 hours*

A study of the general principles for the formation of mineral deposits, together with an application of these principles to the study of specific economic mineral deposits. Two lectures and one laboratory period.

Prerequisites: Geology 12 and 39.

**47-48. SEMINAR
IN GEOLOGY***2 hours*

Discussion of special problems.

Prerequisite: Junior-Senior Standing.

**51. HONORS
SEMINAR IN
GEOLOGY***3 hours***55. INDEPENDENT
STUDY***1-4 hours*

Department of History

The Department of History attempts to explain events by their human causes and to discern in them, where appropriate, the influence of Providence and the play of man's free will, develop the ability to judge critically, to lay the foundations for that general culture which requires the knowledge and background necessary for intelligent and useful citizenship. Concentration in history prepares a student for teaching in secondary schools, for entrance into graduate or law school, and provides a broad cultural basis in a four-year liberal arts program.

DEPARTMENTAL REQUIREMENTS

1. A major sequence in history, in addition to History 23-24, requires 24 hours in upper-level courses, including History 50 (pro-Seminar), and at least one (1) course selected from each of the following four fields: Medieval (31, 42); Modern European (45, 46, 47, 48); American (33, 34, 35, 36, 37, 38); and Non-Western (39, 40, 41, 43, 44).

2. Students expecting to pursue graduate studies in history are advised to take at least twelve hours or the equivalent in a foreign language, preferably French and German.

SUGGESTED PROGRAM

1. Freshman students majoring in history will take: Core 1-2; History 23-24; Political Science 21-22; Geology 11-12. Foreign language is recommended as a freshman elective.

2. Electives recommended for the sophomore year are the following: Economics 21-22, further courses in foreign languages.

3. Political Science 44, International Relations, may be counted towards the twenty-four hours required for a major in history.

COURSES IN HISTORY

11-12. THE DEVELOPMENT OF WESTERN INSTITUTIONS

6 hours

The origins and growth of the basic social and cultural institutions of Western Civilization. Their pre-literary origins, the ancient Mediterranean world, and medieval society are considered during the first semester; their development in the modern world since the seventeenth century is treated in the second semester.

20. WORLD GEOGRAPHY (Geology 20)

3 hours

23-24. UNITED STATES HISTORY, I-II

6 hours

A study of American civilization from its European origins until 1865 in the first semester; its development since 1865 until the present is considered in the second semester.

27. THE EARLY CHURCH

3 hours

A study of the Christian Church during the first four centuries: its organization, the Patristic Age, its relations with the Roman state.

29. INTELLECTUAL HISTORY OF THE TWENTIETH CENTURY (Philosophy 44)

3 hours

A critical attempt to determine the themes and principal figures of philosophy in the last hundred years.

30. ANCIENT GREECE AND ROME

3 hours

A study of the two centers of classical civilization, Athens (500 to 400 B.C.) and Rome 100 B.C. to 100 A.D.). Emphasis is placed on Athenian cultural attainments and on Roman political developments.

31. MEDIEVAL EUROPE

3 hours

The development of Europe from the disintegration of the Roman Empire in the West to the Renaissance. The Church, feudalism, the manorial system, and town life are among the major topics treated. Stress is placed upon the social and economic life in the period.

33. THE AMERICAN COLONIES

3 hours

Included are institutional developments, economic and social life, the trend towards and the struggle for independence, the Confederation period and the framing of the Constitution.

34. AMERICAN NATIONALISM AND SECTIONALISM

3 hours

Within the Federalist, Jeffersonian, and Jacksonian administrations, there is stressed the new nationalism, the rise of the common man, and the ascendancy of sectionalism.

35. THE CIVIL WAR AND RECONSTRUCTION

3 hours

A study of the slavery question, the disruption of the party system, the war between the states, and the issues and problems of reconstruction.

36. TWENTIETH CENTURY AMERICA

3 hours

Emphasis is given to the political and social history from Theodore Roosevelt to Lyndon Johnson.

37. AMERICAN FOREIGN RELATIONS

3 hours

A survey of United States relations with Europe, Latin America, Russia, and the Orient, tracing the origins and development of our foreign policy and the history of the men who framed it. (May be taken for political science credit).

38. AMERICAN
ECONOMIC HISTORY
(Economics 42)

3 hours

Included are the physical environment of American economic development, colonization, continental expansion and industrialism, the economy during war time, prosperity, and depression.

39. HISTORY OF
LATIN AMERICA:
COLONIAL

3 hours

A study of the main trends in the development of Latin American civilization from the Age of Discovery to the Wars of Liberation.

40. HISTORY OF
LATIN AMERICA:
NATIONAL

3 hours

A study of the major nations of Latin America from the Wars of Liberation to the present.

41. HISTORY OF
THE MODERN
FAR EAST

3 hours

A study of the internal difficulties of the Far East, particularly China and Japan, caused by the impact of Western technical civilization, the resultant reforms, and the shifting balance of power in the area from the early nineteenth century to the present.

42. ENGLISH
MEDIEVAL
CONSTITUTIONAL
HISTORY

3 hours

The constitutional and legal institutions and development of the English people from Anglo-Saxon times to the early modern period. (May be taken for Political Science Credit.)

43-44. HISTORY
OF RUSSIA I-II

6 hours

The origins and growth of the Russian people and institutions from the eighth century to the present.

45. RENAISSANCE
AND REFORMATION

3 hours

Emerging modern Europe between about 1450 and 1648: the rise of national monarchies, the commercial revolution, the renaissance, and the religious reformations.

46. THE CHURCH
SINCE 1648

3 hours

The Catholic Church since the Reformation: the post-Tridentine Church, The Enlightenment, the effects of nationalism and industrialism, the spirit of Vatican I, the missionary Church, the impact of Vatican II.

47. REVOLUTIONARY
EUROPE, 1789-1871

3 hours

The history of Europe from the French Revolution through the unifications of Germany and Italy.

48. EUROPE
SINCE 1914

3 hours

A study of warfare, totalitarianism, dictatorships, and "collective security" in our own times.

**50. PRO-SEMINAR
IN HISTORY***3 hours*

An introduction, by means of directed reading and individual projects, to the methods of historical research, historiography, and the philosophy of history.

**55. INDEPENDENT
STUDY***1-3 hours***61-62. HISTORY
HONORS***6 hours***Department of
Languages**

The courses offered by the Department of Languages are designed to fulfill these general aims: (1) to provide the student with a basic knowledge of modern and classical language; (2) to offer through the study of language an insight into and an appreciation of the literature and culture of other peoples. More specifically, the department's purpose is to provide the student with the basic skills in a language—namely, the ability to read, write and speak modern languages and to read and write classical languages—in preparation for entrance into graduate school, theological seminaries and the teaching profession.

**DEPARTMENTAL
REQUIREMENTS**

1. No *major* sequence is offered in languages. There are no prerequisites, but students will not be admitted to upper-level courses unless they show adequate preparation and proficiency.

2. The requirements for a *minor* sequence in a specific language are twelve hours in upper-level courses, unless otherwise noted.

**COURSES IN
FRENCH****1-2. INTRODUCTORY
FRENCH***6 hours*

Careful training in the fundamentals of French grammar and pronunciation. Simultaneous development of the four ends of language study: reading, aural comprehension, writing and speaking.

**21-22.
INTERMEDIATE
FRENCH***6 hours*

Review of basic grammatical forms, plus advanced grammar and idiomatic usage. Reading of selected texts and written reports are required.

**31. ADVANCED
COMPOSITION***3 hours*

Correct, idiomatic and effective writing in French. Translations are assigned, as well as topics for individual creative writing.

**32. ADVANCED
CONVERSATION***3 hours*

Systematic and intensive French oral practice. Topics are assigned for individual presentation and group discussion. The class is conducted in French, and audio-visual aids are used to perfect pronunciation and inflection.

**35-36. FRENCH
LITERATURE TO
THE 19TH CENTURY**

6 hours

A survey of French literature from its beginnings to the nineteenth century. Readings from the most important authors. Oral and written reports are required.

**41-42. FRENCH
LITERATURE OF
THE 19TH AND
20TH CENTURY**

6 hours

A survey of French literature of the nineteenth and twentieth centuries. Readings from representative authors. Oral and written reports are required.

**COURSES IN
GERMAN**

**1-2. INTRODUCTORY
GERMAN**

6 hours

Exercises in pronunciation, essentials of grammar, and functional vocabulary. Intensive reading from graded texts.

**21-22.
INTERMEDIATE
GERMAN**

6 hours

Review of grammar. Practice in reading and writing. Required selections from modern works in the narrative, dramatic, and scientific styles.

**26. SCIENTIFIC
GERMAN**

3 hours

An intensive reading course for students majoring in science. This course may be substituted for German 22.

**31. ADVANCED
COMPOSITION**

3 hours

Correct, idiomatic and effective writing in German. Translations are assigned, as well as topics for individual creative writing.

**32. ADVANCED
CONSERVATION**

3 hours

Systematic and intensive German oral practice. Topics are assigned for individual presentation and group discussion. The class is conducted in German and audio-visual aids are used to perfect pronunciation.

**35-36. GERMAN
LITERATURE TO
THE 19TH CENTURY**

6 hours

A survey of German Literature from its beginnings to the nineteenth century. Readings from the most important authors. Oral and written reports are required.

**41-42. GERMAN
LITERATURE OF
THE 19TH AND
20TH CENTURY**

6 hours

A survey of German Literature of the nineteenth and twentieth centuries. Readings from representative authors. Oral and written reports are required.

COURSES IN GREEK

1-2. ELEMENTS OF NEW TESTAMENT GREEK

6 hours

A study of the fundamentals of inflection and rules of syntax as found in the Greek of the New Testament.

21-22. THE GREEK NEW TESTAMENT

6 hours

The course aims to impart a reading knowledge of the Greek New Testament through the reading of some selections from the Gospels and the *Acts of the Apostles*.

COURSES IN LATIN

1. INTRODUCTORY LATIN I

3 hours

Study of fundamentals aimed at an early acquisition of a reading knowledge of Latin.

2. INTRODUCTORY LATIN II

3 hours

A condition of Latin I.

Prerequisite: Latin I or equivalent.

11. INTERMEDIATE LATIN I

3 hours

Aims to develop the student's ability to recognize grammatical usage through composition and selected readings of a moderate difficulty.

12. INTERMEDIATE LATIN II

3 hours

A continuation of Latin I.

21. CICERO THE ORATOR

3 hours

Selections from Cicero's orations.

22. ROMAN EPIC

3 hours

History of Epic poetry; selections from Virgil's Aeneid.

31. CHRISTIAN LATIN

3 hours

Selections from Ecclesiastical and Medieval Latin.

32. PATRISTIC LATIN

3 hours

Readings from the Latin Fathers.

33. ROMAN HISTORIANS

3 hours

Selections from Caesar, Livy and Tacitus.

34. ROMAN COMEDY

3 hours

Plautus and Terence.

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|---|---|
| 35. COMPOSITION | <p><i>2 hours</i></p> <p>Advanced exercises in continuous prose composition.</p> |
| 36. HORACE | <p><i>3 hours</i></p> <p>Selected Odes and Epodes.</p> |
| 37. ROMAN
SATIRE | <p><i>3 hours</i></p> <p>History of satire: selections from Horace and Juvenal.</p> |
| 38. CICERO THE
PHILOSOPHER | <p><i>3 hours</i></p> <p>Selections from De Senectute and De Amicitia.</p> |
| 41. READINGS IN
A SELECTED LATIN
AUTHOR | <p><i>3 hours</i></p> <p>This is designed to give the student an opportunity to study in depth an author of his choosing.</p> |
| COURSES IN
SPANISH | |
| 1-2. INTRODUCTORY
SPANISH | <p><i>6 hours</i></p> <p>Drill in the basic grammatical rules. Simultaneous development of the four ends of language study: reading, aural comprehension, writing and speaking.</p> |
| 21-22.
INTERMEDIATE
SPANISH | <p><i>6 hours</i></p> <p>Review of basic grammatical forms, plus advanced grammar and idiomatic usage. Reading of selected texts and written reports are required.</p> |
| 31. ADVANCED
COMPOSITION | <p><i>3 hours</i></p> <p>Correct, idiomatic and effective writing in Spanish. Translations are assigned as well as topics for individual creative writing.</p> |
| 32. ADVANCED
CONVERSATION | <p><i>3 hours</i></p> <p>Systematic and intensive Spanish oral practice. Topics are assigned for individual presentation and group discussion. The class is conducted in Spanish, and audio-visual aids are used to perfect pronunciation and inflection.</p> |
| 35-36. SPANISH
LITERATURE | <p><i>6 hours</i></p> <p>Survey of Spanish literature from its beginnings to modern times. Selected readings from the most important authors. Written and oral reports are required.</p> |
| 41-42. SPANISH-
AMERICAN
LITERATURE | <p><i>6 hours</i></p> <p>A survey of Spanish American literature with emphasis on the nineteenth and twentieth centuries. Selected readings from representative authors from various countries.</p> |

Department of Mathematics

DEPARTMENTAL REQUIREMENTS

The mathematics courses offered below are designed to help the student attain: 1) an understanding and appreciation of the fundamental methods of deductive reasoning; 2) adequate preparation for work in graduate and professional schools; 3) facility in the use of mathematics as a tool; 4) thorough familiarity with modern mathematical concepts.

1. The requirements for a *major* sequence are twenty-four hours in upper level courses, including the following: Mathematics 32, 33, 35, 36, 46. The requirements for a *minor* sequence are twelve hours in upper level courses.

2. A group-major involving mathematics is comprised of at least thirty-six hours in upper-level courses, of which a minimum of fifteen hours are in mathematics, including the following courses: Mathematics 35, 36.

SUGGESTED PROGRAM

1. In the freshman year, students majoring in math will take: Core 1-2; Math 12, 15; Computer 10.

2. On the upper level, students should consult faculty advisors in the mathematics department prior to scheduling courses.

3. Mathematics 11 (College Algebra) and Mathematics 12 (Introduction to Modern Algebra) is the two-course sequence recommended to satisfy the general education requirements. By way of exception, any two mathematics courses with numbering greater than 10 will satisfy this requirement.

4. The standard sequence of courses for science students and, in particular, for engineering students should be as follows: Mathematics 15 (Trigonometry and Analytic Geometry), Mathematics 25, 26, and 35 (the Calculus sequence).

COURSES IN MATHEMATICS

1. FUNDAMENTAL THEORY OF ARITHMETIC FOR ELEMENTARY TEACHERS

3 hours

This course is designed specifically for elementary teachers and stresses the number system structure from natural numbers to and including rational numbers. Major areas of emphasis are set terminology, numeration systems, basic number of properties, and review of fundamental arithmetic processes.

11. COLLEGE ALGEBRA

3 hours

A survey of traditional algebra, including functions, equations, identities, exponents, radicals, logarithms, inequalities, mathematical induction, progressions, and introduction to theory of equations.

12. INTRODUCTION
TO MODERN
ALGEBRA

3 hours

The basic properties of algebraic structures; extensive use of these properties applied to traditional algebra; detailed examples of algebraic structures; introduction to integers, rationals and reals; introduction to algebra of sets.

15. TRIGONOMETRY
AND ANALYTIC
GEOMETRY

3 hours

Trigonometric functions, solutions of various triangles, formulas and identities; radian measure; trigonometric equations and curves; inverse trigonometric functions; complex numbers. Linear equations; the circle, parabola, ellipse, and hyperbola; parametric equations; polar coordinates.

25. CALCULUS I

3 hours

An introduction to the Calculus through the following concepts: functions, limits of functions, continuity, derivatives, differentiation of algebraic functions, applications of derivatives, antiderivatives, and the definite integral.

26. CALCULUS II

3 hours

The differentiation and integration of the transcendental functions, standard methods of integration, study of polar co-ordinates, introduction to vectors in the plane, and improper integrals.

Prerequisite: Mathematics 25.

32. MODERN
ALGEBRA I

3 hours

Sets, relations and mappings; introduction to Boolean Algebra; axiomatic development of the complex number system; polynomial domains.

33. ADVANCED
EUCLIDEAN
GEOMETRY

3 hours

This course introduces the student to an extensive body of synthetic geometry. It includes notable points of the triangle, concurrency and collinearity, harmonic ranges and pencils, orthogonal circles, poles and polars, homothecy, coaxial circles, inversion and involution. It requires only the known Euclidean concepts.

35. CALCULUS III

3 hours

An introduction to vectors in three-dimensional space, partial differentiation, multiple integrals, infinite sequences and series and an introduction to differential equations.

Prerequisite: Mathematics 26.

36. DIFFERENTIAL
EQUATIONS

3 hours

Differential equations from a practical view point, combining the formal exercises of integrating the various standard types of differential equations with the setting-up of equations from problems of natural science.

Prerequisite: Mathematics 35.

37. THEORY OF NUMBERS

3 hours

The elementary properties of integers, divisibility of integers and Euclid's Algorithm; solutions to Diophantine Equations; prime numbers, aliquot parts, congruences and quadratic residues.

38. PROBABILITY AND STATISTICS

3 hours

From this course the student gains an understanding of the kinds of regularity that occur amid random fluctuations; experience in associating probabilistic mathematical models to interpret physical phenomena and to predict, with appropriate measures of uncertainty, the outcomes of related experience.

Prerequisite: Mathematics 25, 26.

39. NUMERICAL ANALYSIS

3 hours

Finite differences, numerical differentiation, integration, solution of equations and differential equations. Special reference to the use of high computers.

Prerequisite: Mathematics 35.

42. MODERN ALGEBRA II

3 hours

Elementary group theory; subgroups; homomorphisms and automorphisms; Cayley's Theorem and permutation groups; Sylow's Theorem; elementary ring theory; ideals and quotient rings; elementary field theory and extension fields.

Prerequisite: Mathematics 32.

43. INTRODUCTION TO MODERN GEOMETRY

3 hours

This course has two objectives: to present geometry as an interrelated study of various specific geometrical systems, which are characterized by properly chosen postulate systems; and, in this framework, to present a treatment of some Euclidean theorems which meet current standards of rigor. It will touch on logical systems, selection of systems of axioms, non-metric projective geometry, non-Euclidean and metric projective geometry. Incidence and order are emphasized.

Prerequisite: Mathematics 33.

44. LINEAR ALGEBRA AND MATRICES

3 hours

Vector spaces over a field; linear transformations and linear algebras; matrices and their operations; linear equations and determinants; various kinds of matrices; equivalence of matrices.

Prerequisite: Mathematics 32.

45. ADVANCED CALCULUS: VECTOR ANALYSIS

3 hours

An introduction to vector analysis; line integrals and their evaluation; Green's Theorem in the plane; surface integrals; Stoke's Theorem; divergence theorem; applications in physics. Selected topics from Fourier Series, LaPlace Transforms and gamma-beta functions.

Prerequisite: Mathematics 35.

46. ADVANCED
CALCULUS: REAL
ANALYSIS

3 hours

A modern, topological approach to real analysis, dealing with the following concepts; bounded sets, convergence of sequences and sub-sequences of real numbers, continuous functions on metric spaces; open and closed sets; connectedness, completeness and compactness; Riemann Integral; derivatives; law of the mean; fundamental theorems of calculus; improper integrals.

Prerequisite: Mathematics 35.

51. HONORS
SEMINAR IN
MATHEMATICS

3 hours

55. INDEPENDENT
STUDY

1-3 hours

**Department of
Music**

The aim of the department of music is to further the intellectual, aesthetic, and religious development of the student through the medium of music theory and practice, secular and religious. To achieve this aim the Bachelor of Arts is offered. Courses leading to a master of music degree are also offered in affiliation with DePaul University. The music major may concentrate in Piano, Organ, Theory and Composition, Liturgical Music, or Music Education.

**DEPARTMENTAL
REQUIREMENTS**

1. Music 11, 12, 15, 16, 21, 22, 25, and 26 are required of all music majors. However, Music 22 and 26 are not required of Music Education concentrations.

2. For those concentrating in Piano or Organ: 24 hours of music on the upper level, including 8 hours of Piano/Organ and Music 50.

3. For those concentrating in Theory and Composition: 24 hours of music on the upper level, including Music 35, but exclusive of other applied music.

4. For those concentrating in Liturgical Music: 24 hours of music and liturgy (maximum of six hours) on the upper level approved by the Chairman of the Music Department and including Music 32, 46, and 47.

5. For those concentrating in Music Education: 24 hours of music on the upper level, including 6 hours of the major instrument (band instrument or keyboard), 8 hours of instrumental techniques, and Music 50.

6. The music major must pass the Reading Proficiency Test upon entrance or make up the deficiency through non-credit training.

7. The music major is required to participate in a major ensemble throughout his student training. In the case of a student concentrating in Liturgical Music this must be a choral ensemble.

8. On the lower level the music major takes Program I.

COURSES IN MUSIC THEORY AND HISTORY

11. THEORY I

3 hours

A course in music theory, including written harmony, keyboard harmony, melody-writing, phrase and period structure, the two-voice framework, playing of melodies at the piano, elementary improvisation, simple transposition, the playing of cadences in all major and minor keys, and analysis of music literature.

12. THEORY II

3 hours

A continuation of Theory I. Horizontal aspects of three- and four-part vocal and instrumental harmony. Modulation to closely related keys. Harmonic sequences at the piano, improvisation, modulation, and clef-reading.

13. PRINCIPLES OF CONDUCTING: THEORY AND PRACTICE

2 hours

15. SIGHT SINGING AND DICTATION I

1 hour

16. SIGHT SINGING AND DICTATION II

1 hour

21. THEORY III

3 hours

A continuation of Theory II. Modulation to distant keys. Analysis of larger forms, particularly sonata-allegro. Chromatic harmony. Tertian structures beyond the seventh chord and variously altered chords. Dictation and sight singing of modal melodies. Realization of the figured bass, open-styled Bach Chorales, and the playing of art-song melodies with improvised accompaniment.

22. THEORY IV

3 hours

A continuation of Theory III. Advanced chromatic harmony. Non-tertian chord structures. Contemporary music theory and systems of analysis. Appropriate, advanced exercises in keyboard harmony.

25. SIGHT SINGING AND DICTATION III

1 hour

26. SIGHT SINGING
AND DICTATION IV*1 hour*27. MUSIC ART
FORMS*2 hours*

The aim of this course is to lay the foundation for an intelligent appreciation of music and its relation to human experience. The nature and development of music are studied, but primary emphasis is on an aural recognition of the actual music art forms.

29. METHODS OF
MUSIC (Elementary)*3 hours*

Modern methods of presenting music to children in the elementary school. Discussion of such topics as rhythmic activity, singing, appreciation, and means of helping the less musically gifted child.

32. GREGORIAN
CHANT*3 hours*

The Chant in the Roman Rite: history, nature, development, rhythm, interpretation; psalmody; modality; composition and form; paleography.

33. MUSIC HISTORY
AND LITERATURE I*3 hours*

A survey of music history and literature from Antiquity to 1750.

34. MUSIC HISTORY
AND LITERATURE II*3 hours*

A survey of music history and literature from the beginning of the Classical Period through the Impressionistic Period.

36.
COUNTERPOINT I*3 hours*

A course in sixteenth-century counterpoint to three parts.

37.
COUNTERPOINT II*3 hours—2 hours (summer)*

A course in 18th Century counterpoint to three parts. Analysis and composition.

Prerequisite: Music 21.

38. TECHNIQUES

2 hours

- a. Brass
- b. Woodwind
- c. String
- d. Percussion

41a. ORCHESTRAL
ARRANGING*2 hours*

Prerequisite: Music 21.

41b. CHORAL
ARRANGING*2 hours*

Prerequisite: Music 21.

42. COMPOSITION

3 hours—2 hours (summer)

Prerequisite: Music 21.

(Available by private instruction, to be arranged with the instructor.
May be taken more than once.)

43. CONTEMPORARY
MUSIC HISTORY
AND LITERATURE*3 hours*

A survey of twentieth-century music history and literature.

44. ORCHESTRA
AND BAND
CONDUCTING*2 hours*

The principles of conducting instrumental organizations. Baton technique. Rehearsal techniques. Actual conducting experience under critical supervision.

Prerequisite: Music 21.

45. ADVANCED
KEYBOARD
HARMONY AND
EXTEMPORIZATION*3 hours*46. CHORAL
CONDUCTING*2 hours*

Prerequisite: Music 13.

48. FORM AND
ANALYSIS*3 hours*

An extended and concentrated study of larger musical forms, including selected works from the *Well Tempered Clavier* by Bach, the keyboard Sonatas by Beethoven, and the orchestral, chamber music, and keyboard literature from the Classical Period through the Contemporary Period.

Prerequisite: Music 22.

**COURSES IN
APPLIED MUSIC***

10; 30—Minor performance area—(instrument, voice)—variable credit.
20; 40—Major performance area—(Piano, Organ)—variable credit.

35. FUNCTIONAL
PIANO*1 hour*

Prerequisite: Music 10, Piano, or equivalent.

50. SENIOR
RECITAL*1 hour*00. ENSEMBLE
(instrumental or vocal —
choral ensemble)*no credit*

*Syllabi for applied music courses are available at the office of the chairman of the department. Credit by examination is available in Applied Music.

COURSES IN LITURGICAL MUSIC THEORY AND IN LITURGY

31. LITURGICAL LEGISLATION AND APPLICATION

2 hours

Emphasis on most recent legislation. Includes bibliography repertoire, elementary conducting.

32. GREGORIAN CHANT

3 hours

The chant in the Roman Rite: history, nature, development, rhythm, interpretation, psalmody, modality, composition and form, paleography.

46. CHORAL CONDUCTING

2 hours

The principles of conducting choral ensembles. Rehearsal techniques. Actual conducting experience under critical supervision.

Prerequisite: Music 13.

47. THEOLOGY OF THE LITURGY

3 hours

History of salvation; liturgical spirituality; elements of the liturgy.

49. THEORY INTEGRATION

2 hours

Review and integration of theory, figured bass, harmonization of melodies, transposition, improvisation, etc.

Prerequisite: Music 22.

COURSES IN LITURGICAL APPLIED MUSIC

Cf. Courses in applied music.

Department of Philosophy

The Department of Philosophy is one of the central reasons for the existence of a Catholic college as such. It is the aim of this department to offer to all students a well-coordinated program of courses that cover such basic areas of inquiry as man, human knowledge, God, and the universe. The emphasis throughout is placed on man's inherent capacities to discover for himself the fundamental truths relating to these areas of inquiry within the context of a total Christian wisdom. An attempt is made to secure a balance between courses of a doctrinal and those of an historical nature. Six semester hours of philosophy on the lower level and six on the upper level are required of all students. Courses 12, 21, and 31 are obligatory.

DEPARTMENTAL REQUIREMENTS

1. Philosophy 12 and 21 are *prerequisites* for all upper level courses in philosophy.

2. The requirements for a *major* sequence in philosophy are twenty-four hours in upper level courses, including Philosophy 31, 32, 33, 38 and six hours from Philosophy 41, 42, 43, 44. The requirements for a *minor* sequence are any twelve hours in upper level courses including Philosophy 31.

SUGGESTED PROGRAM

1. Students majoring in philosophy will take: Core 1-2 and introductory courses in philosophy. Electives recommended during the freshman year are introductory courses in a foreign language.

2. Electives recommended in the sophomore year are: continuation of courses in a foreign language, and courses in the general area of Social Studies.

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

COURSES IN PHILOSOPHY

12. SOURCES IN WESTERN PHILOSOPHY

3 hours

This first required course in philosophy presents the student to some of the issues of philosophy by a study of the writings of the early great minds of the West.

21. PHILOSOPHY OF MAN

3 hours

This second required course in philosophy attempts to describe and analyze the complex nature of man, a physical being with intelligence and freedom.

31. METAPHYSICS

3 hours

This third required course in philosophy is a description of some of the most general features of being, viewed both as existing and causing, in order to determine their significance for the human person.

32. NATURAL THEOLOGY

3 hours

The study of the evidence offered for the existence of God in order to determine its presuppositions and possible relevance to Christian apologetics.

Prerequisite: Philosophy 31.

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| 33. PHILOSOPHY
AND SCIENCE | <p><i>3 hours</i></p> <p>A study of the complex relations existing between world-views arising from pre-scientific and post-scientific modes of thought about physical reality.</p> |
| 36. ETHICS | <p><i>3 hours</i></p> <p>A study of the subjective and objective principles of moral value present in personal decision.</p> |
| 38. EPISTEMOLOGY | <p><i>3 hours</i></p> <p>A study of knowledge in its metaphysical relations: a consideration of being as intelligible and of intellect as related to being.</p> |
| 41. GREEK
PHILOSOPHY | <p><i>3 hours</i></p> <p>An historical presentation of the themes of early Greek thought with special emphasis on their systematization in Plato and Aristotle.</p> |
| 42. MEDIEVAL
PHILOSOPHY | <p><i>3 hours</i></p> <p>An historical study of the confrontation of Greek philosophy and the Christian faith with special emphasis on Augustine, Anselm Bonaventure, Aquinas, and Scotus.</p> |
| 43. MODERN
EUROPEAN
PHILOSOPHY | <p><i>3 hours</i></p> <p>An historical account of the principal philosophic attitudes subsequent to the breakdown of scholastic Aristotelianism. Special emphasis is placed upon the influence of Descartes, Hume, Kant, and Hegel.</p> |
| 44 .CONTEMPORARY
PHILOSOPHY | <p><i>3 hours</i></p> <p>A critical attempt to determine the themes and principal figures of philosophy in the last hundred years.</p> |
| 45. THEORY OF
LOGIC | <p><i>3 hours</i></p> <p>A study of the principles exhibited in the construction of various logics in order to compare and contrast traditional logic with modern logic.</p> |
| 46. GREAT ISSUES
IN PHILOSOPHY | <p><i>3 hours</i></p> <p>An advanced study of themes or persons permanently affecting the direction of philosophic thought.</p> |
| 51. HONORS
SEMINAR IN
PHILOSOPHY | <p><i>3 hours</i></p> <p>In addition to personal direction of a research paper, the student is introduced to general philosophical bibliography through lectures by the staff.</p> |
| 55. INDEPENDENT
STUDY | <p><i>1-3 hours</i></p> |

Department of Physical Education

The Department of Physical Education is designed to offer the student a knowledge of physical education in its theoretical and practical phases. Courses in the history and principles of physical education present the background upon which the profession developed and the standards which must be maintained. Other courses are offered to acquaint the student with the professional skills, techniques, and competencies that will be needed in the exercise of teaching and/or coaching duties.

Physical education majors are prepared to enter the coaching field, the teaching of health and physical education and to work in recreational activities and centers.

Students who plan to qualify for the teacher's certificate in Health and Physical Education should consult the Director of Student Teaching.

DEPARTMENTAL REQUIREMENTS

1. There are no lower level *prerequisites* for upper level courses in physical education.

2. The requirements for a *major* sequence in physical education comprise twenty-four hours in upper level courses, including the following: Physical Education 34, 35 (or Education 37) 46. The requirements for a teaching area minor are 24 hours. Courses taken to fulfill this minor must be in accordance with requirements for teacher certification.

3. Majors in Physical Education satisfy their general education requirements in Science by a sequence consisting of Biology 11 and 22 or Biology 12 and 22.

4. All Physical Education majors are required to fulfill the requirements for the licensing of teachers.

PARTICIPATION REQUIREMENTS

1. All Physical Education majors must earn a total of 12 points for graduation.

2. These points may be accumulated through varsity participation, or as a student manager, student trainer, or intramural assistant.

3. The point value would be as follows: 2 for participation in a varsity sport; 4 for lettering in a varsity sport; 3 for each sport season's work as a trainer, manager, or intramural assistant; 5 for being a student coach in a sport.

4. Any student entering Saint Joseph's from a junior college or transferring here from another institution, will be given equivalent credit for his previous participation.

5. Freshmen participation in the intercollegiate program will not count toward this graduation requirement.

SUGGESTED PROGRAM

1. Freshman students majoring in physical education will take: Core 1-2; Sociology 21. Electives recommended are Physical Education 11, 16, 22, 25.

2. Electives for the sophomore year are: Biology 11, 22; Education 30, 31; Physical Education 27, 28, 30.

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

COURSES IN PHYSICAL EDUCATION

11. HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION

3 hours

A basic course presenting a critical evaluation of social, economic, and political forces associated with the development of physical education throughout its history, and secondly, introducing the student to the fundamental facts and principles associated with Motivation, Program, Instruction, Supervision, Administration, and Evaluation in the field of physical education.

16. FIRST AID AND SAFETY EDUCATION

2 hours

A consideration of the essential elements in the theory and practice of safety in the school, in the home, in occupational activities and on the highway. Instruction in the administration of first aid and civil defense. Two lectures and one laboratory period per week.

22. GYMNASTICS AND RHYTHMIC EXERCISES

2 hours

Elements of individual and natural gymnastics; corrective exercises, calisthenics, class drill, tumbling and apparatus; fundamentals of rhythm as applied to games, plays, and songs. Two lectures and one laboratory period per week.

25. PERSONAL AND COMMUNITY HEALTH

3 hours

Personal health and the prevention of disease in the family and community; relation of sanitation and disease control to community health; communicable diseases. Three lecture periods each week.

27-28. TECHNIQUES OF MINOR SPORTS

4 hours

The first semester will present an analysis of the sports of Archery, Bowling, Golf, Isometric Conditioning, Soccer, Table Tennis, Tennis, and Wrestling. The second semester will present an analysis of the sports of Angling, Badminton, Handball, Riflery, Softball, Speedball, Volleyball and Weightlifting. Particular emphasis is given to teaching techniques, the selection and care of equipment, knowledge of rules, and instruction in the fundamentals of the activities. Laboratory periods.

30. PUBLIC RECREATION AND CAMP ACTIVITIES

3 hours

Theory and practice of playground supervision and camp leadership. Techniques proper to arts and crafts, aquatics, outdoor recreational activities, nature study, and special programs are included. Observation of camp facilities and recreational programs.

31. RECREATION FIELD EXPERIENCE

3 hours

A three-week internship in recreational therapy. The student will participate in an activity therapy program under the direction of the institutional coordinator of activity therapy. The field experience is divided into three areas: observation, individual and group recreation therapy, and a written synopsis of the experience.

32. COACHING OF BASEBALL

2 hours

Theory and principle of the fundamentals of baseball. A study of the history, rules, strategy, organization of practice, individual and team conditioning, administration of program and officiating. Two lectures and one laboratory period per week. (Juniors and Seniors only.)

34. KINESIOLOGY

3 hours

Application of facts and principles of anatomy, physiology and the mechanics of human motion to the teaching of sports exercise, dance and the activities of everyday living.

Prerequisite: Biology 22.

35. MEASUREMENTS IN HEALTH AND PHYSICAL EDUCATION

3 hours

A study of measurement and evaluation as applied to health, physical education, and recreation. Principles of test construction, types and characteristics of individual and group tests, application of such tests to school problems, and evaluation of results. A study of statistics as they apply to evaluation of results of measurement.

38. PRINCIPLES AND TECHNIQUES OF PHYSICAL THERAPY

2 hours

This course is designed to study the various special fields of physical rehabilitation with special emphasis upon the use of such agents as exercise, massage, heat, water, electricity and various forms of radiation. The course emphasizes the correct use of personal and field equipment, support procedures and therapeutic aids. Laboratory work includes practical techniques in the clinical use of supporting apparatus and physiotherapy. Two lectures; one laboratory period per week.

41. ACTIVITIES FOR ELEMENTARY GRADES

2 hours

An analysis of dramatic play, games, rhythms, self-testing activities, playground procedures, and safety measures used in a modern program in the area. Principles of selection and evaluation of activities and teaching methods are developed. (Juniors and Seniors only.)

42. COACHING OF
TRACK AND FIELD
EVENTS*2 hours*

Theories and principles of the fundamentals involved in track and field events. A study of the rules, history, organization of practice, individual and team conditioning, administration of program, facility layout, program of maintenance, and officiating. Two lectures and one laboratory period each week. (Juniors and Seniors only.)

43. COACHING OF
FOOTBALL*3 hours*

Theory and practice of the fundamentals of football. A study of the history, rules, strategy, styles of attack and defense, organization of practice, individual and team conditioning, officiating and other coaching problems involved in this sport. Three lectures and one laboratory period per week. (Juniors and Seniors only.)

45. ORGANIZATION
AND
ADMINISTRATION
OF HEALTH
EDUCATION*3 hours*

The principles, materials and problems of health education. Relation of the school health program to other agencies. Instruction in the proper use of federal, state, and commercial publications and aids to health education. A study of health, examination, reports, remedial measures, and state health regulations.

46. THE
ORGANIZATION AND
ADMINISTRATION
OF THE PHYSICAL
EDUCATION
PROGRAM*3 hours*

A study of the foundations and principles of program, of instruction and supervision. Included is a study of the National Association of State High School Athletic Associations with an emphasis upon rules of eligibility. Consideration is given to the grouping of students, records of participation and progress, management of facilities, finance, and public relations.

48. COACHING OF
BASKETBALL*3 hours*

Theory and practice of the fundamentals of basketball. A study of the history, rules, strategy, styles of play, organization of practice, individual and team conditioning, officiating and other coaching problems connected with this sport. Three lectures and one laboratory period per week. (Juniors and Seniors only.)

50. PRO SEMINAR

3 hours

An introduction, by means of directed reading and individual projects, to the research methods applied to Health, Physical Education, and Recreation. A series of lectures, discussions and critiques on physical education and related areas.

51. HONORS
SEMINAR IN
PHYSICAL
EDUCATION*3 hours*55. INDEPENDENT
STUDY*1-3 hours*

Department of Physics

The courses in the Department of Physics are designed: 1. To impart an understanding of basic principles and through classroom discussion and supervised laboratory work to inculcate the habit of precise observation of phenomena. 2. To prepare the student for the teaching of physics in secondary schools.

Laboratory fees: Physics 21, 22, 24, 25, and 26, each **\$10.00**. Physics 31 and 46, each **\$15.00**.

DEPARTMENTAL REQUIREMENTS

1. Physics 21-22 or 24-25-26 are *prerequisites* for all upper level courses in physics.

2. No *major sequence* is offered in physics. (For group major in Mathematics-Physics see the Department of Mathematics.) The requirements for a *minor* sequence in physics are twelve hours in upper level courses including Physics 31 and 41 or 42.

COURSES IN PHYSICS

21-22. COLLEGE PHYSICS

8 hours

A course introducing the student to the fundamental principles of mechanics, heat, sound, light, and electricity. Three lectures and one three-hour laboratory period each week.

Prerequisites: Mathematics 11, 15.

24. MECHANICS

4 hours

This course is directed toward equipping the student with the scientific approach and knowledge of fundamental laws in Physics, which in turn are needed for his further development and research in this science, and for building a strong foundation for engineering. In particular, it deals with the basic concepts and laws of vectors, equilibrium, rectilinear and rotational motion, Newton's laws, work and energy, impulse and momentum, elasticity, harmonic motion, hydrostatics, hydrodynamics, temperature, quantity of heat and transfer of heat. Three lectures and one three-hour laboratory period each week.

Prerequisite: Mathematics 11, 15.

25. THERMODYNAMICS: SOUND, LIGHT

4 hours

This course is a continuation of physics 24. It deals with the first and second laws of thermo-dynamics, thermal properties of solids, liquids, and gases; wave motion, vibrating bodies, acoustical phenomenon; nature and propagation of light; reflection and refraction, and polarization. Three lectures and one three-hour laboratory period each week.

Prerequisite: Physics 24 and Mathematics 25.

26. ELECTRICITY AND LAWS OF ATOMIC STRUCTURE

4 hours

This course is a continuation of Physics 25, and covers the fundamentals of the electric field, potential capacitance, DC circuits, electrochemistry and thermoelectricity; the magnetic field, DC instruments, induced electromotive force; inductance and capacitance; alternating currents, electronics; optical spectra and atomic structure; and nuclear reactions. Three lectures and one three-hour laboratory period each week.

Prerequisites: Physics 25 and Mathematics 25 and 26.

31. ELECTRIC AND MAGNETIC CIRCUITS

3 hours

Measurements of resistance, electromotive force, potentials, current, self and mutual induction, magnetic fields, Ohm's law, Kirchhoff's law, networks, bridge, ballistic galvanometer. Two lectures and one three-hour laboratory period each week.

Prerequisites: Physics 24-25-26.

41-42. MODERN PHYSICS

6 hours

A two-semester course in general physics with emphasis on recent developments, wave motion, electromagnetic radiation, kinetic theory of gases, specific heats and heat of radiation, photoelectric effect, x-rays, Bohr theory of spectra, quantum mechanics, nuclear physics, cosmic rays, and relativity. Three lectures each week.

Prerequisites: Physics 21-22 and Mathematics 11, 15, 25, 26.

43. STATICS

3 hours

This course treats the fundamental principles of statics; forces, movements of force, couples, systems of force, addition and subtraction of forces, equilibrium of systems, stresses and strains, moments of inertia. Three lectures each week.

Prerequisites: Physics 24-25-26.

44. DYNAMICS

3 hours

A lecture course dealing with rectilinear and curvilinear translation, rotation, plane motion, motion of particles and systems of particles, force, mass and acceleration, work and energy, impulse and momentum and periodic motion.

Prerequisites: Physics 24-25-26.

46. ELECTRONICS

3 hours

A study of the principles of the vacuum tube and the transistor and their functions in electronic circuits. Two lectures and one three-hour laboratory period each week.

Prerequisites: Physics 21-22 or 24-25-26.

51. HONORS
SEMINAR IN
PHYSICS

3 hours

55. INDEPENDENT
STUDY

1-4 hours

Department of Political Science

The Political Science Department offers students an opportunity to gain a systematic understanding of the role of government and political behavior in human societies of the past and present. Such understanding is an important element of a modern college education and contributes significantly to professional and civic judgment.

Political Science is a widely used preparation for law, high school teaching, journalism, and public administration. In combination with graduate work it is a recognized preparation for college teaching or special governmental careers—as in the Foreign Service or management intern programs.

DEPARTMENTAL REQUIREMENTS

1. Either Political Science 21 or 22 is required for upper level courses in political science.

2. The requirements for a major sequence in political science are twenty-four hours in upper level courses. The requirements for a minor sequence are twelve hours in upper level courses.

SUGGESTED PROGRAM

1. Freshman students majoring in political science will take: Core 1-2; Political Science 21-22; History 23-24; electives should be taken from the areas of economics or sociology.

2. History 37 and 42, Economics 37 and 40, Sociology 31 and 38, and Theology 48 may be counted towards the twenty-four hours required for a major in Political Science in any combination and up to a maximum of nine hours.

3. Students intending to enter graduate school or the Foreign Service are urged to take at least six hours in a foreign language. Prospective graduate students are strongly encouraged also to take Sociology 31 and 38.

COURSES IN POLITICAL SCIENCE

21. AMERICAN
GOVERNMENT

3 hours

A study of the formal and informal institutions of American national government and politics: The Constitution, the Presidency, Congress, the federal court system, political parties, pressure groups, public opinion, recent foreign policy, the federal bureaucracy, voting behavior. Attention is also given to current problems and issues.

22. COMPARATIVE
GOVERNMENT*3 hours*

The constitutional forms and methods utilized by four major foreign powers—Great Britain, France, Germany, and the U.S.S.R. Their elements of strength and weakness are compared with the U.S. system.

33. POLITICAL
PARTIES AND
PRESSURE GROUPS*3 hours*

The democratic process in the U.S. is studied as a function of the two major parties and the major economic and social pressure groups.

35. CONSTITUTIONAL
LAW—THE BILL
OF RIGHTS*3 hours*

An examination of Supreme Court decisions concerned with the definition of American rights in the areas of freedom of speech, press, assembly, association, and religion; church-state relations; racial discrimination; political radicalism and subversion; procedures in criminal prosecutions; military tribunals. Recommended for the prospective law student.

36. CONSTITUTIONAL
LAW — THE
AMERICAN
COMMUNITY*3 hours*

An examination of Supreme Court decisions concerned with the separation of powers, federalism, the regulation of commerce, contracts, taxing and spending, and the state police power, including some of the legal problems of urban redevelopment. Recommended for the prospective law student.

37. STATE
AND LOCAL
GOVERNMENT*3 hours*

A study of political systems at the state and local levels in the United States, emphasizing institutional evolution and problems along with the special pre-occupations of metropolitan areas.

40. PUBLIC
FINANCE (Econ. 40)*3 hours*

A study of the principles of finance in government. Topics to be considered include public revenues and expenditures, taxation, public debt, government budgeting and fiscal policy.

41. TRADITIONAL
POLITICAL
PHILOSOPHY*3 hours*

The perennial problems of political and social life, centering on law, justice, equality, the common good, and power, as seen by the pre-Socratics, Plato, Aristotle, the Stoics, St. Augustine, St. Thomas Aquinas, and including modern restatements by Christian thinkers and others.

42. MODERN
POLITICAL
PHILOSOPHY*3 hours*

Modern political ideas as expressed in rationalism, empiricism, Marxism, fascism, socialism, and the welfare state.

43. INTERNATIONAL LAW AND ORGANIZATION

3 hours

An exploration of the possibilities of control of international conflicts through law and organizations. Analysis of prerequisites for political integration of the world. Evolution of international law. The League of Nations and the United Nations. Regional association as possible transitional forms of supranational organizations. Disarmament.

44. INTERNATIONAL RELATIONS

3 hours

An examination of the twentieth-century context of international relations: nationalism, imperialism, power politics, the evolution of supranational forms of political organizations, and the foreign policies of the major powers. (May be counted towards a major in History.)

45. AMERICAN POLITICAL THOUGHT

3 hours

The major sources of the American intellectual tradition in politics, including the Puritans, Jefferson, the Federalist papers, Hamilton, Lincoln, the New Nationalism philosophy of Theodore Roosevelt, the New Freedom philosophy of Woodrow Wilson, and the New Deal philosophy of Franklin Roosevelt.

46. POLITICAL BEHAVIOR

3 hours

Approaches to the empirical or scientific study of politics including systems theory, structural-functional analysis, voting studies, and public opinion research.

50. SEMINAR IN POLITICAL SCIENCE

3 hours

Close examination of some significant contemporary political problem. The topic varies from year to year, but in every case the emphasis is upon independent research in depth and under supervision as the basis for individual contributions made by the students in the context of a seminar.

51. HONORS SEMINAR IN POLITICAL SCIENCE

3 hours

55. INDEPENDENT STUDY

1-3 hours

Department of Psychology

The Department of Psychology strives in its course offerings to awaken the student to a study of himself and other animate beings. Psychology studies how people perceive and think and learn, and why they act as they do. It is the science that studies human behavior.

A further purpose of the Department is to qualify the student for entrance into graduate schools of psychology, social work, sociology, and other related fields.

DEPARTMENTAL REQUIREMENTS

1. Psychology 10 is a prerequisite for all upper level courses except those marked "no prerequisite."
2. The requirements for a *major* sequence in psychology are 24 hours in upper level courses, to include Psychology 37, 38, and 40.
3. The requirements for a *minor* sequence in psychology are any twelve hours in upper level courses.
4. There is an additional fee of \$10.00 in Psychology 35.1 and 35.2 to cover transportation expenses.

SUGGESTED PROGRAM

1. Students planning to enter graduate school in psychology will take the following related courses: Core 1-2; Biology 11-12; Psychology 10; Math 11 or English 21. Electives should be taken in a foreign language.
2. Many graduate schools require eighteen hours in upper level courses in Psychology, or twenty-four hours in psychology and related fields.
3. The following sequence of courses is recommended for the student planning on graduate school in psychology: Psychology 10, 41, 33, 32, 34, 35, 37, 38, 39, 40.
4. Six hours in upper level courses in Sociology may be counted toward a major in Psychology. Also six upper level Psychology hours may be counted toward a Sociology major. Either program would be a good preparation for graduate school in Social Work.

COURSES IN PSYCHOLOGY

10. GENERAL PSYCHOLOGY

3 hours

This course provides a general survey of the whole field of Psychology. Fundamental concepts of physiological, experimental, motivational, analytical, and abnormal, as well as of psychological testing and the psychology of learning are discussed.

21. PHILOSOPHICAL PSYCHOLOGY

3 hours

An attempt to describe and analyze the complex nature of man, a physical being with intelligence and freedom.

31. PERSONALITY PROBLEMS AND MENTAL HEALTH

3 hours

A study of the psychological evidence upon which the point of view, principles, and techniques of mental hygiene are based; particular application to the individual as an aid to increased self-knowledge and self-realization.

No prerequisite.

32. THE INDIVIDUAL AND SOCIETY: SOCIAL PSYCHOLOGY

3 hours

This course concerns itself with the effects of interactions on the individual. The material will be reviewed from an interactionist framework, with the contention that human behavior and social order are products of communication.

No prerequisite.

33. HISTORY OF PSYCHOLOGY

3 hours

A survey of psychology against a background of modern and contemporary philosophy. The course comprises perspectives on the beginning of psychology in Germany and France, the experimentalists in America, psychology of the subject, psychology of the subconscious, Gestalt psychology and phenomenological psychology with some consideration of the existential analysis.

No prerequisite.

34. THEORIES OF PERSONALITY

3 hours

The contributions of Freud, Jung, Adler, Allers, Fromm, Murray, Rogers, and others are discussed in detail. Particular emphasis is placed upon application of these theories to the normal person as an aid to better self-knowledge and self-realization.

35. ABNORMAL PSYCHOLOGY

3 hours

The dynamics of abnormal behavior are studied as the basis for detailed consideration of the neurotic personality, psychosomatic disorders, and behavior deviations. Further topics include the effects of brain injuries and the major psychoses, especially schizophrenia. Considerable attention is given to the theories and methods of psychotherapy.

35.1 ABNORMAL PSYCHOLOGY PRACTICUM I

1 hour

Weekly two-hour sessions at Dr. Norman M. Beatty Memorial Hospital, Westville, Indiana, working with the psychiatric patients under supervision of the professional staff.

Prerequisite: Psychology 35. They may be taken together.

35.2 ABNORMAL PSYCHOLOGY PRACTICUM II

1 hour

Weekly two-hour sessions in a child guidance clinic or in a special education class under the close supervision of professional persons.

Prerequisite: Psychology 35.1.

37. MEASUREMENT AND EVALUATION IN PSYCHOLOGY AND EDUCATION (Education 37.)

2 hours

History of the testing movement; principles of test construction; qualities of the evaluation of teacher and standardized tests; a study of the various types of individual and group tests; basic statistical concepts, the application of tests to educational and psychological problems, and the evaluation, interpretation, and application of tests results; practice in taking and giving tests in actual educational and psychological situations.

38. ELEMENTARY STATISTICS

3 hours

An introduction to the fundamentals of modern statistics. Topics to be considered include the following: descriptive statistics, frequency distributions, measure of location, measures of variation, probability and decision-making, problems of estimation and tests of hypotheses, linear regression, correlation, and time series analysis. Emphasis is on the interpretation and use of statistical analysis in the social sciences.

Prerequisite: Mathematics 11.

39. PHYSIOLOGICAL PSYCHOLOGY

3 hours

This course is concerned primarily with the biological basis of behavior, with particular emphasis on the peripheral and central nervous system. The autonomic nervous system and the function of the endocrine system and their relationship to basic personality and emotions are treated. In the laboratory, emphasis is placed upon dissection of the brain and the physiological indices of emotion.

Prerequisite: Psychology 38.

40. EXPERIMENTAL PSYCHOLOGY

4 hours

This course treats in detail the functioning of the external and internal senses, reaction time, and various aspects of learning in the laboratory special emphasis is placed on the classical experiments and methods for studying these functions.

Prerequisite: Psychology 38.

41. HUMAN GROWTH AND DEVELOPMENT (Education 41.)

2 hours

A study of the psychological characteristics of child and adolescent development with special attention given to physical, emotional, social, intellectual and religious behavior. Development is viewed genetically with emphasis placed on the normality of behavior characterizing the various stages of childhood and adolescence.

No prerequisite.

44. STUDIES IN APPLIED PSYCHOLOGY

3 hours

Topic may be counselling and guidance, introduction to social work, industrial psychology, or any similar applied area.

47. SYSTEMS AND THEORIES IN PSYCHOLOGY

3 hours

A comprehensive and synthesizing course for psychology seniors. Emphasis is on contemporary schools of psychology and the science of statistics. Credit may be obtained by exam under an individual study program prepared by the department.

49. SOCIAL PSYCHOLOGY RESEARCH DESIGN (Sociology 49.)

3 hours

An experience in project organization, data collection, and report writing on a specific topic. The study is conducted under supervision of the Psychology and Sociology staff.

Prerequisites: Sociology 31 and Psychology 38.

51. HONORS SEMINAR

55. INDEPENDENT STUDY IN PSYCHOLOGY

3 hours

A flexibly structured course to allow the advanced student to pursue individual study in a specific area under the supervision of a member of the department. The course is available every semester but may be taken only with written permission from a member of the department.

Department of Sociology

The Department of Sociology offers both a major and a minor sequence each intended to train the student in scientific attitudes toward human behavior and social interaction, but allowing for differences in both academic and professional goals. Lectures, exercises and projects are designed to observe and analyze social realities rather than to evaluate or control them.

Majors in Sociology have found such training widely welcomed in applicants to graduate school, schools of law, social work, teaching and business, as well as the related Social Science advanced degrees. Major and minors find it an aid in entering industrial and personnel management in-training programs, community and industrial counseling organizations, and many other types of careers where social science awareness is important.

DEPARTMENTAL REQUIREMENTS

1. Sociology 21 is a *prerequisite* for upper level courses in Sociology.
2. The requirements for a *major* sequence in sociology are twenty-four hours in upper level courses, including Sociology 31, 38, and 43. Highly recommended for those students who contemplate graduate work are twelve hours in a foreign language.
3. Six hours in upper level courses in Psychology may be counted toward a major in Sociology. Six hours in upper level Sociology courses may be counted toward a major in Psychology. Either Program would be a good preparation for graduate school in Social Psychology and Social Work.

SUGGESTED PROGRAM

1. Freshman students planning to major in sociology will take: Core 1-2; Sociology 21; Math 11, 15; Psychology 10 or Political Science 21. Electives recommended in the freshman year are three introductory courses in a foreign language.
2. Prerequisites and electives to be taken in the sophomore year include: Core 3-4 and a continuation of courses in sociology and foreign language.
3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

COURSES IN SOCIOLOGY

21. GENERAL SOCIOLOGY

3 hours

An introduction to the conceptual framework of Sociology and the Scientific approach to social phenomena.

30. SOCIAL AND CULTURAL ANTHROPOLOGY

3 hours

An introduction to the science of man, with emphasis placed upon the concept, culture. Through an analysis of culture, anthropology hopes to solve the mysteries of the relations of man to man.

31. RESEARCH METHODS

3 hours

Empirical analysis and scientific method in the study of human behavior. Principal source of data. Questionnaires and interviewing. Scale analysis. Elements of tabulation and graphing. Elementary statistical procedures.

33. FAMILY SOCIOLOGY

3 hours

An analysis of the family from an institutional and structural framework. Emphasis will be placed on a review of past and current research.

34. THE URBAN COMMUNITY

3 hours

The human being in the complexity of the modern city. Community and association ties. Theories of urban growth and development.

35. SOCIOLOGY OF EDUCATION (Ed. 35.)

3 hours

A study of the school as a social system as well as a basic institution in society. Emphasis will be placed on the sociological dimension of learning through reviews of contemporary social science research.

36. INDUSTRIAL SOCIOLOGY

3 hours

Industrial organization as a social system. Human values and productivity.

38. ELEMENTARY STATISTICS (Econ. 38.)

3 hours

An introduction to the fundamentals of modern statistics. Topics to be considered include the following: descriptive statistics, frequency distributions, measures of location, measures of variation, probability and decision-making, problems of estimation and tests of hypotheses, linear regression, correlation, and time series analysis. Emphasis on the interpretation and use of statistical analysis in the social sciences. (Same as Economics 38.)

41. SOCIAL STRATIFICATION

3 hours

The literature of social class and stratification. Principal methodological problems. Current interests in social class analysis. Field problems.

42. COMPLEX
ORGANIZATIONAL
THEORY*3 hours*

A review of the theories of large scale organizations with particular emphasis on the theories of bureaucracy and other sociological theories.

43. INTRODUCTION
TO SOCIOLOGY
THEORY*3 hours*

A review of the variety of theories and the assumptions behind them in the origin and development of sociological analysis during the past one hundred years. Special effort is made to develop research designs from the best theories of the past.

45. AMERICAN
MINORITIES*3 hours*

Major institutional forms of minority groups in American Society. Research concerning the causes of prejudice and discrimination.

46. CRIMINOLOGY

3 hours

Crime as a social phenomenon. The incidence, distribution and etiology of criminal behavior. Types of criminals. Changing beliefs and practices in dealing with the criminal.

49. PRO-SEMINAR:
SOCIOLOGICAL
RESEARCH DESIGN*3 hours*50. PRO-SEMINAR:
THE INDIVIDUAL
AND THE GROUP*3 hours*51. HONORS
SEMINAR*3 hours*55. INDEPENDENT
STUDYDepartment of
Theology

The meaningful communication of revealed truth constitutes the ultimate reason for the existence of a specifically Catholic College, and in this communication the Theology Department plays an indispensable role. The Department of Theology, therefore, proposes the following as its principal aims: 1. to so introduce the student to revealed truth that it is embraced not simply as a body of truth but as a personal summons; 2. to develop in the student an appreciation of the permanence and relevance of divine truth; 3. to acquaint the student with the various areas of theological thought in their present stage of development.

In view of the new awareness of the role of the layman, the Department offers a major in theology to the student who looks forward to a more active participation in the various forms of the apostolate, such as in particular the Confraternity of Christian Doctrine, or who desire to pursue graduate study in theology.

DEPARTMENTAL REQUIREMENTS

1. The Bible and the Documents of Vatican II are required as basic texts for all the theology courses.

2. Theology 19 and 20 are prerequisites for all upper-level courses in theology.

3. Requirements for a *major* in theology are 24 hours in upper-level courses in theology so selected as to include Theology 31 and 32, and at least one course from each of the following areas: Dogmatic Theology, Theology of Community and Moral Theology. Requirements for a *minor* sequence in theology are any 12 hours in upper-level courses in theology so selected as to include one course from the area of Biblical Theology, Dogmatic Theology, or the Theology of Community, and one course from the area of Moral Theology.

COURSES IN THEOLOGY

19. THE OLD TESTAMENT

3 hours

A reading course in Old Testament literature.

20. THE NEW TESTAMENT

3 hours

A reading course in New Testament literature.

AREA OF BIBLICAL THEOLOGY

31. THE OLD TESTAMENT

3 hours

God's initial entrance into history by word and event. This course studies representative books of the Old Testament against the background of contemporary civilization, considering God's providential preparation for the coming of the Word.

32. THE NEW TESTAMENT

3 hours

God's definite entrance into history in his Word. This course studies selected books of the New Testament, against the geographic, historical and literary backgrounds of contemporary civilizations, developing principal themes of divine revelation made known in Christ.

AREA OF THEOLOGY OF COMMUNITY

33. THE CHRISTIAN LAYMAN

3 hours

After an historical study of the Christian life as lived by the layman, this course studies the theological foundations and concrete applications of the life of the layman in the areas of technology, marriage and politics.

34. THE SACRAMENTAL CHURCH

3 hours

The Church continuously makes present God's salvific word and work. This course studies the Church, the primordial sacrament, as the human prolongation of the redemptive activity of Christ.

AREA OF DOGMATIC THEOLOGY

41. GOD AND CREATION

3 hours

This course studies God's self-manifestation in the history of salvation, as contained in the Old and New Testament, and proclaimed in and through the living magisterium of the Church. Emphasis is given to current questions about God and the God-world relationship.

45. CONTEMPORARY QUESTIONS IN DOGMA

3 hours

This course investigates, at a deeper level than is possible in a more general course, some of those questions that are of predominant interest in current theological discussion.

AREA OF MORAL THEOLOGY

44. CHRISTIAN MORALITY

3 hours

Through class discussion this course acquaints the student with some of the contemporary moral problems of the day, and the principles underlying their solution.

48. SOCIAL THEOLOGY I

3 hours

This course aims to set forth the teaching of the Church in matters pertaining to political and sociological questions. It is problem orientated. The content of the social encyclicals, recent papal pronouncements, conciliar statements and current theological thought is emphasized and applied to current questions in the areas.

49. SOCIAL THEOLOGY II (Same as Economics 49)

3 hours

This course aims to set forth the teaching of the Church in matters pertaining to business and economics. It is problem orientated. The content of the social encyclicals and other recent papal documents and conciliar statements is emphasized and applied to current socioeconomic questions.

THEOLOGY SEMINAR (for Majors only)

46. THEOLOGY SEMINAR

3 hours

This course will be taught by three members of the department. A particular question or theme in theology will be followed through and developed in the three periods of patristic, scholastic and contemporary theological thought.

55. INDEPENDENT STUDY

1-3 hours



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Ray Ziegman, Orrville, Ohio

*C.PP.S. These letters are the abbreviations of Congregatio Pretiosissimi Sanguinis, the official name of the Society of the Precious Blood. All the priests and brothers at Saint Joseph's are members of this religious community.

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 Ray Ziegman, Orrville, Ohio

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 Robert A. Gallagher, Palos Park, Illinois
 Clarence U. Gramelspacher, Jasper, Indiana
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 Paul R. White, C.PP.S., M.A., *Executive Vice-President*
 Louis C. Gatto, A.M. Ph.D., *Academic Dean, Vice-President for
 Academic Affairs*
 Alvin W. Druhman, C.PP.S., M.A., Ph.D., *Secretary of the College*
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 Public Relations and Development*

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Robert J. Blesson	<i>Assistant Librarian</i>
Brother Gerard, C.PP.S.	<i>Director of Brother Formation</i>
Gerald R. Gladu	<i>Director of Development for Estates</i>
Dixie Green, R.N.	<i>Assistant Director of Health Service</i>
Raphael H. Gross, C.PP.S.	<i>Director of the Fellows Program</i>
Joseph Hanish, C.PP.S.	<i>Director of Seminarians</i>
Leonard J. Kostka, C.PP.S.	<i>Chaplain of the College</i>
John Kenney	<i>Athletic Trainer</i>
Dennis G. Lavery	<i>Special Assistant to the Office of Development</i>
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Gerard L. Lutkemeier, C.PP.S.	<i>Assistant Librarian</i>
James F. McCabe, C.PP.S.	<i>Librarian</i>
Vincent C. Meyer, R.N.	<i>Director of Health Service</i>
Thomas Moore	<i>Resident Engineer</i>
Rita H. Murphy, R.N.	<i>Assistant Director of Health Service</i>
Nona S. Noel	<i>Dean of Women, Assistant Director of Student Affairs</i>
Aloysius O'Dell, C.PP.S.	<i>Director of Summer Session</i>
Sante J. Reale, C.PP.S.	<i>Assistant Director of Admissions</i>
Charles J. Robbins, C.PP.S.	<i>Registrar, Director of Financial Aids</i>
Joseph B. Rodak, C.PP.S.	<i>Director of Professed Seminarians</i>
Martin D. Ryan	<i>Director of Institutional Research</i>
Thomas M. Ryan	<i>Director of Guidance</i>
Richard F. Scharf	<i>Director of Placement, Director of Athletics</i>
Charles J. Schuttrow	<i>Director of Public Information</i>
William Staudt, C.PP.S.	<i>Director of Halleck Center</i>
William G. Verbrugge	<i>Assistant Director of Computer Center</i>
Paul Wellman, C.PP.S.	<i>Comptroller of the Budget</i>
Paul A. Williams, M.D.	<i>College Physician</i>
Richard Wise, C.PP.S.	<i>Director of Admissions</i>
Kenneth J. Zawodny	<i>Director of Computer Center</i>

EMERITI

Edwin Kaiser, C.PP.S.
(1944-66)*

Professor Emeritus of Theology

S.T.D., Saint John Lateran, 1923; Gregorianum University, 1923-24; Saint Louis University, Summer, 1947; Litt.D., Saint Joseph's College, 1967.

Joseph B. Kenkel, C.PP.S.
(1922-66)

President, 1927-37 and Professor Emeritus of Economics

Ph.D., Catholic University of America, 1922.

Clarence J. Kroeckel,
C.PP.S. (1933-67)

Professor Emeritus of Biology

M.S., Catholic University of America, 1933; University of Chicago, 1944; University of Notre Dame, 1945-48; The Marine Biological Laboratory, Woods Hole, Massachusetts, Summer, 1958.

Adam P. Lesinsky
(1958-66)

Professor Emeritus of Music

M.M., American Conservatory of Music, 1944.

Ildephonse J. Rapp, C.PP.S.
(1904-49)

Professor Emeritus of English

A.B., Saint Joseph's College, 1899; Litt.D., *ibid.*, 1954.

Paul C. Tonner (1918-63)

Professor Emeritus of Music

B. Mus., University Extension Conservatory, Chicago, 1931; Van Der Cook Conservatory of Music, Summer, 1949; Litt.D., Saint Joseph's College, 1958.

FACULTY

1969-70

Charles H. Banet, C.PP.S.
(1949)

President and Associate Professor of Classical Studies

M.A.L.S., University of Michigan, 1951; *ibid.*, 1951-52; Appointed President, 1965; American Council on Education Presidents' Institute, University of Wisconsin, Summer, 1967; Litt.D. Saint Joseph's College Calumet Campus, 1969.

John C. Babione (1965)

Assistant Professor of English

M.A., Indiana University, 1965.

Vincent Balice, C.PP.S.
(1965)**

Instructor in English

B.A., University of Dayton, 1964; University of Detroit, 1964-65; Purdue University, 1966.

Donald L. Ballmann,
C.PP.S. (1956)

Director of Development for Foundations and Government Relations and Associate Professor of Geology

M.S., University of Illinois, 1956; Ph.D., *ibid.*, 1959; American Geological Institute, British Isles, Summer, 1961; American Council on Education Institute for Academic Deans, Denver University, 1966.

Rudolph P. Bierberg,
C.PP.S. (1958)**

Religious Superior and Professor of Theology

S.T.L., Catholic University of America, 1941; S.T.D., *ibid.*, 1943.

Robert J. Blesson (1963)

Assistant Librarian and Assistant Professor

M.S.L.S., Villanova University, 1963.

*The first date indicates the year of appointment to Saint Joseph's.

**Absent on leave for graduate study.

- Joseph Boton, C.PP.S.
(1969)
Donald E. Brinley (1955)
Instructor in Theology
M.A., Dayton University, 1968.
Associate Professor of Philosophy
A.M., Catholic University of America, 1951; Ph.D. (Cand.), Indiana University.
- Allen J. Broussard
(1964)
Chairman, Department of Accounting and Assistant Professor of Accounting
M.B.A., University of Arkansas, 1960; C.P.A., State of Indiana, 1968.
- John J. Bucholtz (1962)
Chairman, Department of Political Science and Associate Professor of Political Science
M.A., Princeton University, 1959; Ph.D., *ibid.*, 1967.
- Roy E. Burkey (1965)
Assistant Professor of Business Administration
M.B.A., Ohio State University, 1962; Ph.D. (Cand.), *ibid.*
- Ralph M. Cappuccilli
(1948)
Chairman, Department of Speech and Associate Professor of Speech
A.M., University of Michigan, 1951; Ph.D., Purdue University, 1967
- Raymond M. Cera, C.PP.S.
(1948)**
Associate Professor of Romance Languages
M.A., Saint John's University (Brooklyn), 1951.
- William B. Conway (1964)
Chairman, Department of Economics and Assistant Professor of Economics
M.A., University of Minnesota, 1964; Ph.D., *Ibid.*, 1969.
- Thomas F. Crowley (1968)
Instructor in Accounting
M.A.S., University of Illinois, 1968.
- Michael E. Davis (1952)
Chairman, Department of Geology and Associate Professor of Geology
M.S., Kansas State University, 1951; N.S.F., Summer Institute, Millsaps College, 1968.
- William L. Downard
(1969)
Assistant Professor of History
M.A., Cincinnati University, 1965; Ph.D. (Cand.), Miami University (Ohio)
- Boniface R. Dreiling,
C.PP.S. (1940)
Associate Professor of Physics
M.S., Catholic University of America, 1940; University of Chicago, 1943-46.
- Marcellus M. Dreiling,
C.PP.S. (1939)
Associate Professor of Mathematics
M.S., Catholic University of America, 1939.
- Alvin W. Druhman, C.PP.S.
(1948)
Secretary of the College and Professor of English
M.A., Saint John's University (Brooklyn), 1950; Ph.D., *ibid.*, 1952.
- John B. Egan (1962)
Chairman, Department of Music and Associate Professor of Music
Ph.D., Indiana University, 1962.
- Mrs. John B. Egan (1962)
Assistant Professor of Music
M.A., Indiana University, 1957; Ph.D. (Cand.), *ibid.*
- William L. Eilerman,
C.PP.S. (1954)
Vice-President for Business Affairs and Associate Professor of Accounting
M.S., Saint Louis University, 1959.
- M. T. Abul Ela (1969)
Associate Professor of Business Administration
M.B.A., Ohio State University, 1963; Ph.D., *ibid.*, 1967.

**Absent on leave for graduate study.

- Rufus H. Esser, C.PP.S.
(1925) *President 1937-38 and Professor of English*
M.A., Catholic University of America, 1927; Indiana University, Summers, 1930-31.
- Patrick Fitzgerald, C.PP.S.
(1969) *Instructor in Theology*
M.A., University of Dayton, 1969.
- Richard J. Flynn (1959) + *Associate Professor of Accounting*
M.B.A., University of Chicago, 1958; C.P.A., State of Illinois, 1959.
- Ernest A. Fritsch (1967) *Instructor in Physical Education*
B.S., University of Detroit, 1961; M.S. (Cand.), Indiana State University.
- Rodney Gaard, M.A.
(1969) *Instructor in Economics*
M.A., University of Iowa, 1969.
- Louis C. Gatto (1957) *Vice-President for Academic Affairs; Academic Dean; and Professor of English*
University of Minnesota, 1950-51; A.M., DePaul University, 1956; Ph.D., Loyola University (Chicago), 1965; American Council on Education Fellow in Academic Administration, Lawrence University, 1966-67; Institute for Academic Administrators, Boston University, Summer, 1967.
- Dominic B. Gerlach, C.PP.S.
(1952) *Associate Professor of History*
M.A., Saint Louis University, 1952; University of Michigan, Summer, 1956. Goethe Institute, Munich, Summer, 1962; Catholic University of America, Summer, 1965.
- Philip F. Gilbert, C.PP.S.
(1961) *Assistant Professor of Mathematics*
B.S., Saint Joseph's College, 1952; University of Detroit, 1960-61; M.S., University of Illinois, 1964.
- John D. Groppe (1962) ** *Director of Composition and Associate Professor of English*
M.A., Columbia University, 1957; University of Notre Dame, 1957-1962.
- Raphael H. Gross, C.PP.S.
(1941) *President 1951-65; Director of Fellows Program, and Professor of English*
A.M., University of Michigan, 1941; Ph.D., University of Montreal, 1952; L.L.D., Saint Joseph's College, 1967.
- Norman L. Heckman,
C.PP.S. (1940) *Chairman, Department of Chemistry and Associate Professor of Chemistry*
University of Wisconsin, 1943-44; A.M., Indiana University, 1947.
- Ambrose J. Heiman, C.PP.S.
(1969) *Professor of Philosophy*
M.A., University of Toronto, 1942; L.M.S., Pontifical Institute of Medieval Studies, Toronto, 1947; Ph.D., University of Toronto, 1949; S.T.L., The Catholic University of America, 1953.

+Extended leave

**Absent on leave for graduate study.

- Lawrence F. Heiman, C.PP.S. (1943) *Director of the Institute of Liturgical Music and Associate Professor of Music*
M.A., Catholic University of America, 1949; Marquette University, Summer, 1950; L.C.G., Pontifical Institute of Sacred Music (Rome), 1958; M.C.G., *ibid*, 1959; C.Mus.D. (Cand.), *Ibid*.
- Joseph A. Hiller, C.PP.S. (1933) *Professor of German*
M.A., Catholic University of America, 1932; University of Cincinnati, 1935-37; Ph.D., Catholic University of America, 1940.
- James H. Holstein (1959) *Instructor in Physical Education*
B.S., University of Cincinnati, 1956.
- David H. Hoover (1966) *Assistant Professor of History*
M.A., University of Cincinnati, 1965.
- William G. Jennings (1965) *Assistant Professor of Physical Education*
M.Ed., Loyola University (Chicago), 1963.
- Edward J. Joyce, C.PP.S. (1964) *Vice-President for Public Relations and Development and Associate Professor of Theology*
S.S.L., The Biblicum (Rome), 1959; S.T.L., The Angelicum (Rome), 1957; S.T.D., *ibid*., 1960.
- Zeinham M. Kabis (1969) *Assistant Professor of Economics*
A.M., University of Illinois, 1963; Ph.D. (Cand.), *ibid*.
- Ira L. Karp (1969) *Associate Professor of Physics*
M.A., University of California, 1952; Ph.D., University of Washington.
- G. Robert Kasky (1966) *Assistant Professor in Accounting*
M.B.A., Indiana University, 1963; C.P.A., State of Illinois, 1964.
- Paul E. Kelly (1950) *Chairman, Department of Business Administration and Professor of Marketing*
A.M., Colorado State College, 1941; Ford Foundation Fellowship, Indiana University, Summer, 1959.
- James A. Kenny (1964) *Chairman, Department of Psychology; Clinical Psychologist, and Associate Professor of Psychology*
M.S.W., Loyola University (Chicago) 1957; Ph.D., University of Mainz, 1962.
- Charles M. Kerlin (1968) *Assistant Professor of English*
M.A., Purdue University, 1961; Ph.D., University of Colorado, 1968.
- John R. Klopke, C.PP.S. (1955) *Associate Professor of Philosophy*
M.A., Fordham University, 1955; Ph.D., University of Toronto, 1961.
- Leonard J. Kostka, C.PP.S. (1948) *Chaplain and Associate Professor of Theology*
J.C.L., Catholic University of America, 1942; Seton Hall University, Summer, 1948; Saint Louis University, Summer, 1954.
- William J. Kramer, C.PP.S. (1953) *Director of Core Curriculum and Professor of Chemistry*
L.Sc.N., University of Fribourg (Switzerland), 1951; Sc.D., *ibid*, 1952.

- Hermes D. Kreilkamp,
O.F.M.Cap. (1967) *Associate Professor of History and Philosophy*
S.E.O.L., Pontifical Oriental Institute (Rome), 1951; M.A., Catholic University of America, 1966; Ph.D., *ibid.*, 1964.
- Clement J. Kuhns, C.PP.S.
(1948)** *Associate Professor of Classical Languages*
M.A., Catholic University of America, 1952.
- Larry M. Lance (1969) *Instructor in Sociology*
M.A., Bowling Green University, 1966; Ph.D. (Cand.), Purdue University.
- Frederick R. Lang, C.PP.S.
(1960) *Chairman, Department of Foreign Languages and Assistant Professor of Classical Languages*
M.A., University of Michigan, 1962; Ph.D., Pontifical Institute of Higher Latinity, Rome, 1969.
- Joseph A. Lazur, C.PP.S.
(1960) *Assistant Professor of Theology*
S.T.L., Laval University, 1961; The Biblicum (Rome), 1965-67.
- Sister Eileen Liette, C.PP.S.
(1969) *Assistant Professor of Education*
M.S.T. (Reading), University of Chicago, 1967; Ph.D. (Cand.), Case Western Reserve University.
- Gerard A. Lutkemeier,
C.PP.S. (1937) *Assistant Librarian and Associate Professor*
B.S. in L.S., Catholic University of America, 1946.
- Jose Luzay (1969) *Associate Professor of French*
M.A. (Classical Languages), Jesuit College (Albania), 1930; M.A. (Literature), Sorbonne, 1935; M.S. (Philosophy), *ibid.*; LL.D., Albania Law College, 1935; Ph.D., Sorbonne, 1937; Litt.D., *ibid.*, 1938.
- James C. McCabe, C.PP.S.
(1965) *Librarian and Assistant Professor*
University of Detroit, 1958-59; M.S.L.S., Catholic University of America, 1961; Summer 1961, National Archives (American University); Summer, 1964, University of Detroit.
- Edward P. McCarthy,
C.PP.S. (1958) *Associate Professor of Philosophy*
M.A., Catholic University of America, 1945.
- Charles A. Mack (1966) *Instructor in Biology*
M.S., Ball State University, 1969.
- Ralph A. Marini, (1960) *Associate Professor of Finance*
M.B.A., Marquette University, 1960; Ford Foundation Faculty Fellowship, Indiana University, Summer, 1963.
- Michael P. Markiewicz
(1967) *Assistant Professor of English*
M.A., Xavier University, 1962; Ph.D. (Cand.), Louisiana State University.
- John A. Marling, C.PP.S.
(1938) *Associate Professor of Mathematics*
B.S., Saint Joseph's College, 1938; Catholic University of America, Summer, 1938; John Carroll University, Summer, 1951.
- Andrew G. Mehall (1961) *Chairman, Department of Biology; Pre-medical Advisor; and Assistant Professor of Biology*
M.S., Syracuse University, 1961; Ph.D. (Cand.), University of Illinois, N.S.F. Summer Institute, University of Washington, 1965.

**Absent on leave for graduate study.

- Bernard J. Meiring, C.PP.S. (1957) *Chairman, Department of Education and Associate Professor of Education*
M.A., University of Detroit, 1957; Ph.D., University of California, 1963; Tri-University Project in Elementary Education, New York University, 1968-69.
- John P. Nichols (1968) *Assistant Professor of Philosophy*
S.T.L., Catholic University of Fribourg, 1963; Ph.L., Catholic University of Louvain, 1965; Ph.D., *ibid*, 1967.
- Aloysius F. O'Dell, C.PP.S. (1957) *Chairman, Department of Theology; Director of Summer Session; and Associate Professor of Theology*
S.T.L., University of Montreal, 1957; S.T.D., Gregorianum University, 1962.
- Curtis M. Paulsen (1962) *Associate Professor of Mathematics*
M.S., University of South Dakota, 1960; M.A., University of Missouri, 1961.
- John P. Posey (1969) *Associate Professor of History*
M.A., University of Georgia, 1959; Ph.D., *ibid*, 1962; Ford Foundation Fellowship, Institute of Far Eastern History and Civilization, Florida State University, Summer, 1965.
- Ernest W. Ranly, C.PP.S. (1956)** *Associate Professor of Philosophy*
M.A., Saint Louis University, 1958; University of Chicago, Summer, 1968; Ph.D., Saint Louis University, 1964.
- John Ravage (1965) *Assistant Professor of Speech*
M.A., (English) Ball State University, 1962; M.A., (Theatre), University of Illinois, 1968; Summer, 1967, University of Iowa.
- Donald H. Reichert (1966) *Associate Professor of Education*
M.A., Ohio State University, 1956; Ph.D., *ibid*., 1966.
- Charles J. Robbins, C.PP.S. (1940) *Registrar; Director of Financial Aids; and Associate Professor of Classical Languages*
M.A., Catholic University of America, 1945.
- Joseph V. Rodak, C.PP.S. (1965) *Assistant Professor of Classical Languages*
1962-63, University of Detroit; M.A., John Carroll University, 1965.
- Jacob S. Rodia (1963) *Associate Professor of Chemistry*
M.S., University of Illinois, 1948; Ph.D., *ibid*., 1952; N.S.F., Summer Institute, University of Akron, 1968; N.S.F., Summer Institute, Duke University, 1969.
- Edward M. Roof, C.PP.S. (1929) *Professor of Latin*
M.A., Catholic University of America, 1931.
- Charles R. Rueve, C.PP.S. (1946) *Chairman, Department of Mathematics and Professor of Mathematics*
M.S., University of Notre Dame, 1949; Ph.D., *ibid*., 1963.
- Ambrose A. Ruschau, C.PP.S. (1955) *Associate Professor of Physics*
M.S., Saint Louis University, 1956; N.S.F. Summer Institute in Radioisotope Technology, University of Michigan, 1964.

**Absent on leave for graduate study.

- William P. Russell (1965)** *Associate Professor of History*
M.A., Loyola University (Chicago), 1946; Ph.D., University of Chicago, 1953.
- Martin D. Ryan (1959) *Director of Institutional Research; Chairman, Department of Sociology and Associate Professor of Sociology*
M.A., Purdue University, 1961; Ph.D. *ibid.*, 1967.
- Thomas M. Ryan (1963) *Director of Guidance and Assistant Professor of Education*
M.A., University of Dayton, 1941; University of Cincinnati, 1947-48, Summer, 1948.
- Richard F. Scharf (1940) *Chairman, Department of Physical Education; Director of Athletics; Director of Placement; and Associate Professor of Physical Education*
M.S., in P.Ed., Indiana University, 1949; H.S.D. (Cand.), *ibid.*
- Walter A. Scherb (1969) *Assistant Professor of Business Administration*
M.S., Northern Illinois University, 1967.
- Donald F. Shea, C.PP.S. (1947) *Chairman, Department of History and Professor of History*
A.M., University of Michigan, 1947; Ph.D., Loyola University (Chicago), 1956; Harvard University, Summer, 1958; Visiting Scholar in *Instructor in Theology*
M.A., Dayton University, 1968.
- Thomas Sherlock, C.PP.S. (1969)
- Urban J. Siegrist, C.PP.S. (1936) *Director of the Institutum Divi Thomae Research Station, Coordinator of the Division of National Sciences, and Professor of Biology*
M.S., Catholic University of America, 1936; Ph.D., Institutum Divi Thomae, 1958.
- Lyle H. Sleeman (1963) *Associate Professor of Geology*
M.S., Kansas State University, 1959; Ph.D., University of Missouri, 1964; N.S.F. Summer Institute, Indiana University, 1964; N.S.F. Summer Institute, Pennsylvania State University, 1965; N.S.F. Research Participant, University of Wyoming, Summers, 1966, 1967; N.S.F. Summer Institute, Southwest Center of Advanced Studies, 1968; N.S.F. Summer Institute, Virginia Polytechnic Institute, 1969.
- Gary E. Smith (1968) *Instructor in Music*
M.M., Ball State University, 1968.
- Alphonse Spilly, C.PP.S. (1967)** *Instructor in Theology*
M.A., University of Dayton, 1967.
- Cyril R. Sutter, C.PP.S. (1960) *Associate Professor of Psychology*
M.A., Fordham University, 1956; M.S., *ibid.*, 1958; Ph.D., *ibid.*, 1961.
- David J. Van Horn, C.PP.S. (1962) *Chairman, Department of Art, Assistant Professor of Art*
Fulbright Fellowship in Italy, 1961-62; M.F.A., Chicago Art Institute, 1965.
- William G. Verbrugge (1967) *Assistant Professor of Mathematics*
M.S., Illinois Institute of Technology, 1965.

**Absent on leave for graduate study.

- Willard G. Walsh (1954) *Associate Professor of Speech*
M.F.A., Fordham University, 1949; Certificate, American Academy of Dramatic Arts, 1953.
- Paul E. Wellman, C.PP.S. (1957) *Comptroller of the Budget and Assistant Professor of Business Administration*
M.B.A., Marquette University, 1962.
- Paul R. White, C.PP.S. (1956) *Executive Vice-President and Associate Professor of Economics*
University of Michigan, Summer, 1955; M.A., Catholic University of America, 1956; Cornell University, 1960.
- Carole Jean Womelsdorff (1966) *Instructor in English*
M.A., Hardin-Simmons University, 1965.
- Clayton A. Womelsdorff II (1966) *Assistant Professor of Political Science*
M.A., (Political Science), Baylor University, 1956; M.A., (Economics), Hardin-Simmons University, 1961.
- Robert E. Wood (1961) *Chairman, Department of Philosophy and Associate Professor of Philosophy*
M.A., Marquette University, 1961; Ph.D., *ibid.*, 1967.
- John E. Young (1969) *Assistant Professor of Chemistry*
M.A., University of Missouri, 1965; Ph.D. (Cand.), University of Iowa.
- Kenneth J. Zawodny (1966) *Director of Computer Center and Assistant Professor*
B.S., Saint Joseph's College, 1969.

PART-TIME
FACULTY

- John R. Bauman (1963) *Lecturer in Education*
M.A.T., Indiana University, 1965.
- Daniel E. Ellis (1969) *Lecturer in Accounting-Finance*
B.S., Saint Joseph's College, 1969.
- Mrs. Carl Funk (1966) *Lecturer in Music*
B.S., Purdue University, 1940; B.A., Saint Joseph's College, 1967.
- Charles A. Halleck (1969) *Distinguished Lecturer in History*
LL.B., Indiana University, 1924; LL.D., Saint Joseph's College, 1954.
- Carl J. Holsinger (1965) *Lecturer in Theology*
S.T.L., College of the Propoganda (Rome), 1927.
- John Kenney (1968) *Lecturer in Physical Education*
M.S., Indiana State University, 1966.
- Lola K. Kerlin (1969) *Lecturer in Psychology*
M.S., Purdue University, 1961; University of Colorado, 1964-66.
- Dennis G. Lavery (1969) *Special Assistant to the Office of Development and Lecturer in English and Education*
M.A., Valparaiso University, 1968.
- Paul A. Mourani (1968) *Lecturer in Business Administration*
M.B.A., Indiana University, 1966; Ph.D. (Cand.), *ibid.*
- John Nesbitt (1961) *Lecturer in Business Law*
B.S., Purdue University, 1958; J.D., Indiana University, 1958; Member of the Indiana Bar Association and American Bar Association.
- George L. Post (1969) *Lecturer in Physical Education*
M.S., Purdue University, 1969.
- Charles J. Schuttrow (1965) *Director of Public Information and Lecturer in Journalism.*
B.A., Saint Joseph's College, 1963.

APPENDIX

GIFTS AND BEQUESTS

Gifts and bequests of money, securities or real estate are gratefully received by Saint Joseph's College. Many additions have thus been made to the resources of the institution.

To serve the College in this way it is not necessary to make a large bequest. There are doubtless many who without injury to family or other interests could bequeath \$500, \$1,000, or \$5,000; and some who might bequeath a much larger sum.

Unless other use is specified, it is the general policy of the institution to designate funds so given as a part of the permanent endowment of the institution.

In order to be valid in most states, a will must be signed by the testator in the presence of a least two disinterested witnesses who should attest the instrument as such witnesses.

FORM OF GENERAL BEQUEST

I hereby give and bequeath to Saint Joseph's College, situated at Rensselaer, Indiana, forever, for the use of said institution in fulfillment of its general corporate purposes. (State here the sum of money which you desire to give, or describe the property or securities constituting the bequest.)

ANNUITIES

Anyone desiring to further the education of Catholic youth and the progress of training under Catholic auspices through the annuity plan may secure detailed information concerning the plan sponsored by Saint Joseph's College by writing to the Director of Development for Estates and Wills, Saint Joseph's College, Rensselaer, Indiana 47978.

1969-70

COLLEGE CALENDAR

1ST SEMESTER

August 31 - September 3	Enrollment and Orientation of new students.
September 3	Registration for returning students. Opening Mass at 7:30 P.M.
September 4	Classes begin at 8:00 A.M.
September 10	Limit for change in class schedule.
October 6	Limit for upper classmen and second semester freshmen to withdraw from courses or to declare the pass/not pass option for eligible courses.
	Limit for applying for credit by examination.
October 18	Homecoming. No classes.
October 24	Mid-term grades due.
November 1	Feast of All Saints. No classes.
November 3	Limit for first semester freshmen to withdraw from classes or to declare the pass/not pass option for eligible courses.
November 27 - 30	Thanksgiving recess. No classes.
December 1	Classes resume at 8:00 A.M.
December 6	Honors Papers due at the Academic Dean's office.
December 8	Feast of the Immaculate Conception. No classes.
December 20	Last class day of Semester I.

INTERTERM

January 5	Registration from 9-11 A.M. Classes begin at 2:00 P.M.
January 23	Last day of interterm classes.
January 24	Limit for removal of first semester incomplete grades.

2ND SEMESTER

January 25 - 26	Enrollment & Orientation of new students.
January 27 - 28	Registration.
January 29	Classes begin at 8:00 A.M.
February 4	Limit for change in class schedule.
February 11	Ash Wednesday. Afternoon classes cancelled for retreat services.
March 2	Free day in honor of Saint Thomas Aquinas.
March 4	Limit for upper classmen and second semester freshmen to withdraw from courses or to declare the pass/not pass option for eligible courses.
	Limit for applying for credit by examination.
March 5	Aquinas Banquet.
March 20	Mid-term grades due.
March 21 - 30	Easter Recess.
March 31	Classes resume at 8 A.M.

April 3	Limit for first semester freshmen to withdraw from classes or to declare the pass/not pass option for eligible courses.
May 3	Parents' Day
May 7	Feast of the Ascension. No classes.
May 16	Honors Papers due at Academic Dean's office.
May 23	Last class day of Semester II.
May 31	Commencement.

SUMMER SESSION

June 22 - August 5

INDEX

	PAGE		PAGE
Absence, Excused	2-8	Dean's List	30
Academic		Degrees <i>in absentia</i>	41
Awards	34-37	Degrees Offered	38
Classification	29	Dismissal from College	32
Index	30, 43	Double Major	41
Policies	24-47	Economics	80-83
Scholarships	19-21	Economics-Mathematics	82-83
Accounting-Finance	58-62	Education	
Accreditation	57	Teacher Training Program	83-89
Administration, Officers of	137	Elementary Education	83-84
Administrative Staff	138	Physical Education	83-84
Admission Policies	12-23	Secondary Education	83-84
Agriculture	91	Electives	40
Alumni		Employment: see Financial Aid	
Association	52	Engineering	89-94
Board	137	English	94-96
Annuities	148	Enrollment	25
Art	62-63	Expenses and Fees	16
Athletics		Board	16
Eligibility	33	Conditional Fees	16
Intramurals	34	Day Student Fees	16
Policy on	54	Room	16
Auditing Courses	27	Special Fees	16
Bequests	148	Tuition	16
Biology	63-67	Faculty	139-147
Board of Directors	135	Emeriti	136
Board of Trustees	136	Part-Time	147
Emeriti	139	Finance: see Accounting-Finance	
Business Administration	67-71	Financial Aid	17-23
Calumet Campus	6	Application and Regulations	17-19
Campus		Grants	
Buildings	7	Athletic	22
Facilities	8-9	Educational Opportunity	22
Cancellation of Courses	27	Music	22
Chemistry	71-74	Loans	
Class		Guaranteed	22
Attendance	28	National Defense	21
Change	27	Payment Plans	
Load	27	College Aid Plan	17
Schedule	27	Tuition Plan, Inc.	17
Withdrawal	29	Scholarships	
College		Academic	19
Entrance Examination Board Tests	14	Endowed	20
Calendar	149-150	Upperclass	20
History	5-6	State	21
Housing	10-11	Student Employment	23
Scholarship Service	19	Work-Study Program	23
Communications and Theatre Arts ..	74-76	Veteran's Assistance	23
Computer Science	77-78	Vocational Rehabilitation	23
Core Curriculum	78-79	Foreign Language	40
Counseling, Faculty	52	French	103-104
Credit		Geology	97-99
Academic	25	German	104
Correspondence—see Residence		Gifts and Bequests	148
by Examination	26	Grade Reports	30
for Independent Study	31	Grading System	29
Television	27	Graduation	
Curriculum	56-133	in Absentia	42
Day Student Fees	16	Check List	43-47
Deadline		Requirements	39-47
Filing for Credit by Examination ..	26	with Honors	41
Pass/Not Pass	30	Greek	105
Scholarship Application	19	Group Majors	
Withdrawal		Biology-Chemistry	64
College	32	Economics-Mathematics	82-83
Course	29		

INDEX

	PAGE		PAGE
Mathematics-Physics	121	Philosophy	43-45
Health Service	53	Residence	40
History	100-103	Theology	43-45
Honors		Research	9
All-College	42	Schedule of Classes	27
Seminar	31	Scholastic Aptitude Test	18
Students	31	Second Bachelor's Degree	41
Incomplete Grades	30	Society of the Precious Blood	6-135
Independent Study	31	Sociology	129-131
Index, Scholastic	30	Spanish	106
Interterm	30	Special Students	15
Junior Year Abroad	32	Speech: see Communications and Theatre Arts	
Laboratories, Science	9	Student	
Latin	105-106	Academic Clubs	50
Library	8	Aid: see Expenses and Finance	
Major Sequence	39	Association	50
Majors Offered	38	Baggage	53
Master's Degree: see Music Department		Bank	52
Mathematics	107-110	Band	50
Military Service	53	Counseling	52
Minor Sequence	39	Employment: see Work-Study Program	
Minors Offered	38	Expenses	16
Music	110-114	Fine Arts Groups	50
Orientation	53	Government	50
Pass/Not Pass Option	30	Guidance	52
Payment of Accounts	17	Hall Telephones	55
Personnel Services	52-55	Handbook	49
Philosophy	114-116	Health	53
Physical Education	117-120	Laundry	53
Participation	117	Mail	53
Requirements	117	Organizations	50-51
Physics	121-123	Personnel Services	52-55
Placement Service	53	Placement	53
Political Science	123-125	Publications	51
Probation, Scholastic	32	Religious Exercises	55
Psychology	125-129	Social Clubs	51
Quality Points	40	Union	7
Recreational Facilities	54	Visiting of	153
Refund Polciy	17	Summer Sessions	33
Registration	25	Telephone	
Religious Exercises	55	Student Halls	55
Repetition of Courses	30	Testing Program	55
Requirements		Theology	131-133
Advanced	39	Transfer Policy	15-32
Entrance	13-15	Tuition: see Expenses	
General Education	45-47	Veterans Assistance	23
Graduation	39-42	Vocational Guidance: see Counseling	
		from College	32
		Withdrawal Deadline:	
		from Course	29
		Work-Study Program	23



RENSSELAER, INDIANA

A city of five thousand, it is situated in northwestern Indiana, 73 miles southeast of Chicago, 50 miles southeast of Hammond, Indiana. Approached from the south, it is 110 miles northwest of Indianapolis, and 47 miles northwest of Lafayette.

COLLEGEVILLE, INDIANA

Saint Joseph's College lies just outside the city's southern limits. Indiana State Highway 53 (U.S. 231), one of the main routes connecting Chicago and Indianapolis, passes through the College grounds. The Indiana Motor Bus Company, operating between Cincinnati and Chicago, uses Route 53 and will take on and let off passengers at the campus.

CAMPUS VISITS

Parents and relatives of the students are welcome at the College at any time of the year. Prospective students and their parents are requested to inquire from the Office of Admissions when guided tours are offered. Interviews with the Admission Office Staff are made by appointment. Direct all letters to that office for admission details and campus visits.

Religio

Scientia

Moralitas

— 1889